

One of the secrets of the generally-recognised outstanding quality of Vittoria tyres lies in their casing technology, particularly the **TPI**. As can be seen from the pyramids to the side, all the tubulars and tyres in the Vittoria range are classified according to their **TPI** number.

#### - What is TPI?

TPI stands for threads per inch (2.54 cm), referring to a one inch length of casing.

The casing is the "heart" of the tyre or tubular and is made of RUBBER + THREADS (nylon, cotton, Kevlar®, polycotton...).

How is TPI calculated?

1 inch (2.54 cm)

TPI is calculated by counting the number of threads contained in a one inch (2.54 cm) length of casing.

more threads (high TPI) = less rubber (in the same casing surface conditions)

#### This means:

- LESS WEIGHT

More threads in the casing rubber means less rubber is needed to fill the gaps between the threads.

#### - GREATER FLEXIBILITY and COMFORT

More threads in an inch means thinner and more flexible tyres.

#### - LOWER ROLLING RESISTANCE

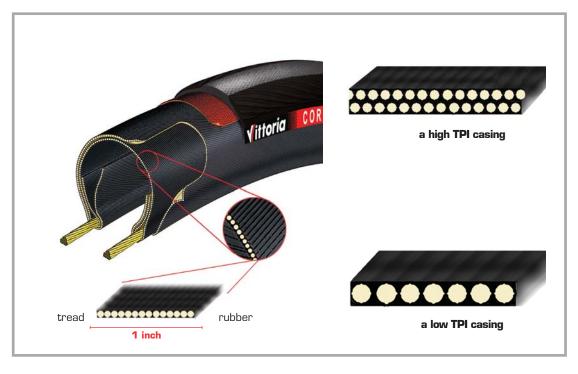
Energy is mainly lost through rubber deformation. If there is less rubber, more of the energy absorbed by the tyre during rolling is used for movement, and this means smoother running.

Vittoria TPI's range from 26 to 320 (see table on previous page):

- 26 to 220 for nylon casings;
- 220 to 320 for cotton and polycotton casings.

**320** TPI is a record which Vittoria has achieved thanks to the constant efforts of its Research and Development team.

This is the ultimate guarantee of outstanding performance and reliability.







#### **PALMARES**

Consolidated leader in tubulars and tyres, Vittoria is always developing advanced, forward looking products and technologies.

Vittoria has won all the most important races in the world - on more than one occasion. In fact, Vittoria's competition successes are almost too numerous to count.

Champions of the calibre of Moser, Hinault, Bugno, Pantani, Bartoli, Museeuw, Ullrich, Cipollini, Armstrong, Petacchi, Basso, Cunego, Cancellara and Di Luca have all raced and won on Vittoria products.

Vittoria is technical sponsor of WCC, (World Cycling Centre), based in U.C.I. headquarter in Aigle (CH), where young athletes coming from all over the world train for the different cycling disciplines. This co-operation allows Vittoria to contribute to the development of cycling and, at the same time, to have prototypes of newly developed tyres tested by promising young racers.

#### Milano - Sanremo

2008 Cancellara 2007 Freire 2004 Freire 1999 Tchmil 1997 Zabel

1996 Colombo 1994 Furlan

1993 Fondriest 1992 Kelly

1984 Moser

#### **Tour des Flanders**

2007 Ballan 2000 Tchmil 1998 Museeuw 1997 Sorensen 1996 Bartoli 1995 Museeuw 1994 Bugno 1993 Museeuw

1991 Van Hooydonck

#### Paris - Roubaix

1990 Argentin

2007 O'Grady 2006 Cancellara 2004 Backsted 2000 Museeuw 1999 Tafi 1998 Ballerini 1996 Museeuw 1995 Ballerini 1994 Tchmil 1993 Duclos-Lasalle 1992 Duclos-Lasalle

1991 Madiot

1981 Hinault

1980 Moser

1979 Moser

1978 Moser

# Fleche Wallone

2005 Di Luca 1999 Bartoli 1998 Hamburger 1996 Armstrong 1994 Argentin 1993 Fondriest 1992 Furlan 1990 Argentin 1989 Criquelion 1983 Hinault 1979 Hinault

1977 Moser

#### Liegi - Bastogne - Liegi

2007 Di Luca 2001 Camenzind 2000 Bettini 1999 Vandenbroucke 1997 Bartoli 1996 Richard 1995 Gianetti 1994 Berzin 1989 Kelly 1980 Hinault 1977 Hinault

#### **Amstel Gold Race**

2008 Cunego 2006 Schleck 2005 Di Luca 2002 Bartoli 2001 Dekker 1999 Boogerd 1998 Jaermann 1997 Rijs 1996 Zanini 1995 Gianetti 1994 Museeuw 1993 Jaermann 1991 Maassen 1990 Van der Poel 1981 Hinault

## Giro di Lombardia

2008 Cunego 2003 Bartoli 2002 Bartoli 2001 Di Luca 2000 Rumsas 1999 Celestino 1998 Camenzind 1996 Tafi 1995 Faresin 1994 Bobrik 1993 Richard 1991 Kelly

#### **World Championship**

2008 Ballan 2004 Freire 2001 Freire 1999 Freire 1998 Camenzind 1996 Museeuw 1995 Olano 1990 Dhaenens

#### World Cup / Pro Tour

2005 Di Luca 2001 Dekker 1999 Tchmil 1997 Bartoli 1996 Museeuw 1995 Museeuw 1994 Bortolam 1993 Fondriest 1989 Kelly

#### Giro d'Italia

2009 Menchov 2007 Di Luca 2006 Basso 2001 Simoni 1999 Gotti 1998 Pantani 1997 Gotti 1996 Tonkov 1995 Rominger 1994 Berzin 1993 Indurain 1992 Indurain 1991 Chioccioli 1982 Hinault 1984 Moser 1982 Hinault 1980 Hinault

#### Tour de France 2008 Sastre

1998 Pantani 1997 Ullrich 1996 Rijs 1995 Indurain 1994 Indurain 1993 Indurain 1992 Indurain 1991 Indurain 1990 Lemond 1989 Lemond 1985 Hinault 1982 Hinault

# 1978 Hinault Vuelta a España

1981 Hinault

1979 Hinault

2007 Menchov 2005 Menchov 2002 Gonzalez 2000 Heras 1998 Olano 1994 Rominger 1993 Rominger

#### Tirreno - Adriatico

2008 Cancellara 2006 Dekker 2005 Freire 2003 Pozzato 2002 Dekker 1999 Bartoli 1998 Jaermann 1997 Petito 1994 Furlan 1993 Fondriest 1992 Sorensen 1981 Moser 1980 Moser

#### Tour de Romandiie

2007 Dekker 2001 Frigo 1997 Tonkov 1996 Olano 1995 Rominger 1994 Richard 1993 Richard 1991 Rominger 1989 Anderson

## **Tour of Switzerland**

2008 Kreuziger 2005 Gonzalez 2002 Zuelle 1998 Garzelli 1997 Agnolutto 1995 Tonkov 1994 Richard 1993 Saligarl 1992 Furlan 1990 Kelly 1989 Breu

# Paris - Nice

2005 Julich 2001 Frigo 1999 Boogerd 1998 Vandenbroucke 1994 Rominger 1992 Bernard 1989 Indurain

# U.C.I. Pro Tour







Euskaltel - Euskadi



Garmin Slipstream



Lampre N.G.C.



Rabobank

## **U.C.I.** Professional



Acqua & Sapone-Caffè Mokambo



Amica Chips Knauf



Barloworld



Cervelo Test Team



CSF Group Navigare



Landbouwkrediet -Tönissteiner



LPR Brakes Farnese Vini



Vacansoleil Pro Cycling Team



Xacobeo Galicia

## **U.C.I.** Continental



Colavita Sutter Home



Drapac Porsche Cycling



Energi Fyn



Rock Racing



Stenca

# **National Federation**



Australian Institute of Sports



Cycling Australia



Danish Bycicle Federation



Federação Portuguesa de Ciclismo



Japan Cycling Federal



World Cycling Center

## Single Athletes



Courtney Atkinson (AUS) *Triathlon* 



Peter Croes (BE) *Triathlon* 



Erin Gangelhoff (AUS) *Triathlon* 



Belinda Granger (AUS) *Triathlon* 



Julien Loy (FR) *Triathlon* 



Edith Niederfriniger (IT) *Triathlon* 



Matty Reed (USA)

Triathlon



Ivan Risti (IT) *Triathlon* 



Till Schramm (DE) *Triathlon* 



James Seear (AUS) *Triathlon* 



Emma Snowsill (AUS) *Triathlon* 



Marko Baloh (SL)
Race Across America



Fabrizio Macchi (ITA) *Paralympics* 



Vittorio Podestà (ITA) *Paralympics* 



Cristiano Federici (ITA) *Track* 



Belinda Goss (AUS) *Track* 



Sarah Hammer (USA) *Track* 



Anna Meares (AUS) *Track* 



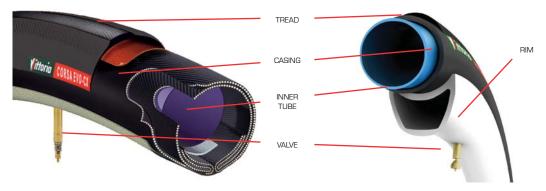
Franky Batelier (FR) X-Terra /Triathlon



Nicolas Lebrun (FRA)

X-Terra / Triathlon

# WHAT IS A TUBULAR?



A tubular is a toroid... well, a donut-shaped pneumatic device that is glued on wheels and that carries a tread pattern on the opposite of its gluing side. There's an inner tube inside this toroid, and it can be made of butyl (for less expensive tubulars, holds air very well but it's stiffer) or latex (with higher airpermeability - pressure loss can be up to 0,5 bar/day, much stronger to punctures and with a high flexibility to keep rolling resisitance low).

The tread, the real contact with the road, can be vulcanised with the rest of the casing or hand-glued (so that no high temperature is applied, a treatment reserved for elite tubulars). The tubular profile is round (constant casing radius), so cornering is very predictable and just feels better than with clinchers, which

Shock absorption is also very good: a tubular has a wide surface glued on the rim, so stresses are spread more evenly on its structure than on a clincher tyre... this allows the tubular structure to eat-up road roughness without bouncing or slowing down, a feeling all professional racers are familiar with. Last but not least, the maximum inflating pressure is higher than with clincher tyres.

Average consumers moved to clincher tyres for undeniable practical advantages (tyres are easier to mount, inner tubes can be easily fixed or replaced in case of puncture), but tubulars deliver the best road behaviour and are, still today, the professionals' and high-level amateurs' choice.

#### tech

## FITTING THE TUBULAR



















**Attention**. Before installing the tubular make sure that the rim selected is the proper size for the tubular. Use only Mastik or cement specifically marked as tubular rim cement. For further questions consult your authorized Vittoria Dealer.

- Gluing and mounting
  1 Sand-paper the rim (new or used), clean it with solvent and leave to dry. Carbon rims: just clean with solvent;
  2 Clean the seam-cover tape of the tubular with a cloth slightly dipped in solvent;

  the sime and ever the seam-cover tape:
- 3 Spread a thin layer of mastic over the rim and over the seam-cover tape:
  4 After 5 to 10 minutes, apply a second coat of glue on the rim only;
  5 Leave to dry for 3 to 5 minutes;
  6 Mount the tubular on the rim, inflate it slightly and center it;
  7 Inflate the tubular to the working processing. Movimus of this

- 7 Inflate the tubular to the working pressure. Maximum gluing strenght is reached after 24 hours!
  8 Before each ride the pressure of the tubular must be checked and inflated to the pressure indicated on the label of the tubular. The tubular should be inspected closely and be free of cuts. Close inspection of the base tape ensuring it is completely attached to the tubular end free of cuts or traying;

Important note: if any fraying or separation of the base tape is seen the tubular should not be used. Use the tubular with a damaged base tape is unsafe and should be avoided.

Maintenance of your tubular: Keep the tubular in a dry place and away from light. After each use you should closely inspect the tubulars and clean them with water and a mild soap. Remove any debris such as metal, glass, small stones or anything stuck to the tread. Use of any products containing, hydrocarbons, dilutants or corrosive substances should be avoided. When not in use for extended periods of time the tubulars should be maintained at a pressure between 5/6 bar

#### **ROAD** TUBULARS

## CORSA EVO CX

Corsa CX has proved successful in road races all over the world, but the new EVO version is bound to even greater success.

With a "handmade" tubular structure for superior performance and comfort, it has also got a special latex inner tube that increases its elasticity and puncture resistance.

Further features are the  $\textit{Kevlar® SiO}_2$  3D Compound with added silica - for **reduced rolling resistance and better grip in the wet** 

Our new high density casing - a true 320 TPI (equivalent to over 1.200 threads per decimetre!) - delivers unbeatable comfort and superior performance with inflation pressure of up to 200 psi! New PRB 2.0 puncture resistant belting placed underneath the tread **increases the flat prevention** properties of the Corsa Evo CX up to 40%, even while **reducing the weight**. The new Corsa Evo CX is tougher and faster than ever before.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
$\otimes$	<b>3</b>	g	bar	psi						
28"	28" - 21	245	8/14	115/200	174.521.1	Corespun 320TPI	KEVLAR® SiO2	TWIN TOTAL	PRB*2.0	42 mm
	28" - 23	250	8/14	115/200	174.523.1	4	3D COMPOUND™	Technology		full RVC alloy
	28" - 25	255	7/12	100/185	174.525.1	new				,
	28" - 21 28" - 21	245	8/14	115/200	174.521.4					
	28" - 21	245	8/14	115/200	174.521.2					
	28" - 21	245	8/14	115/200	174.521.3			Vii	toria	and the same
	28" - 21	245	8/14	115/200	174.521.5				-110	WHITE STATE OF THE PARTY OF THE
26"	26" - 20	205	8/14	115/200	174.620.1			42 mm full RVC allo	ру	

#### **CORSA EVO SLICK**



#### The slick racing tubular with differential grip.

"Handmade" for superior performance and comfort. Special latex inner tube for significantly better elasticity and puncture resistance. An innovative slick design from Vittoria's constant R&D initiatives:

- 15% roughness centrally, for minimum rolling resistance;
- 30% side roughness for safer cornering.

Kevlar® SiO2 3D Compound with added silica, for reduced rolling resistance and better grip in the wet. Our new high density casing - a true 320 TPI (equivalent to over 1.200 threads per decimetre!) - delivers unbeatable comfort and superior performance with inflation pressure of up to 200 psi! New PRB 2.0 puncture resistant belting placed underneath the tread increases the flat prevention properties of the Corsa Evo Slick up to 40%, even while reducing the weight.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
$\otimes$		g	bar	psi						
28"	28" - 23	250	8/14	115/200	175.523.6	Corespun 320TPI	KEVLAR® SiO2	Twin TUPATI Technology	PRB°2.0	42 mm full RVC
							3D COMPOUND"			IUII NVC

#### **CORSA EVO TECH**



Tech feature in our lineup means "specific for foul weather conditions" (read winter/wet). The added latex layer on the sidewalls increases **casing's cut resistance** from small glasses/sharp stones often brought into the lane by rain from the roadside. **Specific Aquagrip** Compound gives for a **terrific grip** in all nasty road conditions (cold/wet). "Handmade" for superior performance and comfort. Special latex inner tube for significantly better elasticity and puncture resistance. Designed for foul weather use, with excellent racing characteristics in the rain. New tread pattern for even better performance:

- "diamond" tread pattern elongated in the direction of rotation for better ground contact;
- curved side ribbing for excellent flex-free grip even in the wet;
- Acquagrip Compound, for reduced rolling resistance and better grip in the wet;
- Corespun 320 TPI casing, with latex reinforced sidewalls.
- New PRB 2.0 puncture resistant belting placed underneath the tread increases the flat prevention properties of the Corsa Evo Tech up to 40%, even while reducing the weight.



	COLOURS AND SIZE	WEIGHT	IGHT PRESSURE		CODE CASING		COMPOUND	COMPOUND TREAD		VALVE
$\otimes$	<b>♡</b>	g	bar	psi						
28"	28" - 23	270	8/14	115/200	176.523.6	Corespun 320TPI	AQUAGRIP	TWIN TOTAD	PRB° 2.0	42 mm
							3D COMPOUND	Technology		full RVC allov



#### **ROAD** TUBULARS



# PAVÉ EVO CG

Especially for those who cycle **all year round, on all road surfaces** (including pavé and asphalt) and for racers in the **North European classic races**, Vittoria has improved one of its most traditional models, the CG, and raised it to the EVO K 320 Casing level. With its new *Corespun K 320 casing* (80% polycotton, 20% Kevlar®), Pavé EVO CG is probably the strongest tubular available on the market. If you then add to it our *Kevlar® SiO2 3D Compound* for the tread and a "handmade" casing construction, typical of our tubulars and open tubulars, you get a green-black CG tread capable of out-shining the competition even on Roubaix roads, as well as in your own personal challenges. Our new high density casing - a true 320 TPI - delivers unbeatable comfort and superior performance with inflation pressure of up to 200 psi! New *PRB 2.0* puncture resistant belting placed underneath the tread increases the **flat prevention properties up to 40%, even while reducing the weight.** 



	COLO	JRS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
$\otimes$	<b>₹</b>		g	bar	psi						
28"		28" - 24	270	6/10	85/150	177.524.7	Corespun K 320TPI	KEVLAR® SiO2	TWIN TOPAD	PRB*2.0	42 mm
		28" - 27	320	5/8	70/115	177.527.7		3D COMPOUND™	Technology		full RVC alloy

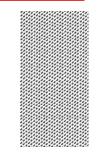




## **CRONO EVO CS**

Our time trial tubular has been completely redesigned:

- record-breaking weight: just 165 g!
- ultra-low rolling resistance thanks to the Corespun T 320 TPI polycotton casing;
- better elasticity and puncture resistance thanks to the latex inner tube;
- Kevlar® SiO<sub>2</sub> 3D Compound, tested by professional teams;
- PRB puncture resistant belting.



COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE	CASING	COMPOUND	PROTECTION	VALVE
$\otimes$	g	bar	psi					
28" - 22	165	8/14	115/200	196.522.1	Corespun <b>T 320TPI</b>	KEVLAR® SiO <sub>2</sub>	PRB®	42 mm full RVC



alloy



# TRIATHLON EVO

Tri-specific tubular, designed and built for the ironman.

- low rolling resistance thanks to a polycotton Corespun T 320 TPI casing;
- butyl inner tube that **retains set pressure for long time** (needed when leaving the bike in "transition zone" the day before the event);
- Kevlar® SiO2 3D Compound for a light and fast tyre;

Our new high density casing - a true 320 TPI - delivers unbeatable comfort and superior performance with inflation pressure of up to 200 psi!

New PRB 2.0 puncture resistant belting placed underneath the tread increases the flat prevention properties up to 40%, even while reducing the weight.

The new Triathlon is tougher and faster than ever before.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	PROTECTION	VALVE
$\otimes$	<b>ॐ</b>	g	bar	psi					
28"	28" - 22	230	9/14	130/200	197.522.1	Corespun T 320TPI	KEVLAR® SiO₂	PRB°2.0	42 mm
							3D COMPOUND™		full RVC



# **ROAD** TUBULARS

## CORSA CR



Excellent for both competition and training, the Corsa CR has all a cyclist could demand:

- great comfort thanks to the Cotton 220 TPI casing and 22 mm section;
- PRB puncture resistant belting;
- high inflation pressure: up to 12 bar;
- elegant full-black finish.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
$\otimes$		g	bar	psi						
28"	28" - 22	285	8/12	115/170	135.106.7	Cotton 220 TPI	KEVLAR®	Twin TPAD Technology	PRB®	51 mm



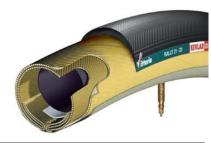


220 TPI cotton casing and Kevlar® 3D Compound make Rally an excellent road training tyre.



CASING	COMPOUND	TREAD	VALVE

36 mm



	COLOU	RS AND SIZE	WEIGHT	PR	RESSURE	CODE
$\otimes$	3		g	bar	psi	
28"		28" - 21	300	7/9	100/130	135.106.5
		28" - 23	310	7/9	100/130	135.107.5

black casing

COLOURS AND SIZE WEIGHT PRESSURE CODE  $\otimes$ bar psi g 28" 28" - 21 100/130 135.106.1 300 7/9 28" - 23 310 100/130 135.107.1

**JUNIORES** 



para casing

With their 220 TPI cotton casing and Kevlar® 3D Compound, Juniores tubulars are available for the 20, 22, 24 and 26 inch wheels of the champions of tomorrow.



	COLOURS AND SIZE	WEIGHT	PF	RESSURE	CODE	CASING	COMPOUND	TREAD	VALVE
$\otimes$	<b>3</b>	g	bar	psi					
26"	26" - 21	290	7/9	100/130	152.126.0	Cotton 220 TPI	<b>KEVLAR®</b>	TWIN TOPAD	36 mm
24"	24" - 21	260	7/9	100/130	152.124.0	22077 220 77 1	3D COMPOUND™	Technology	
22"	22" - 21	240	7/9	100/130	152.122.0				
20"	20" - 21	220	7/9	100/130	152.120.0				

para casing

# RUBINO PRO TUBULAR



The same reliability and performance characteristics are now enhanced thanks to the tubular

The tubular benefits, coupled with the Rubino's key characteristics, make it an incredible racing/ training tubular:

- Seamless construction for a perfectly round shape;
- Casing overlap underneath the tread provides the best tubular puncture protection;
- Nylon 150 TPI casing is light and fast;
- Comfortable as only tubulars are.



	COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE CASING		COMPOUND	TREAD	PROTECTION	VALVE
$\otimes$		g	bar	psi						
28"	28" - 23	290	7/9	100/130	134.723.1	NYLON	ARAMID CTOURS	TWIN TRAD	PRB®	42 mm

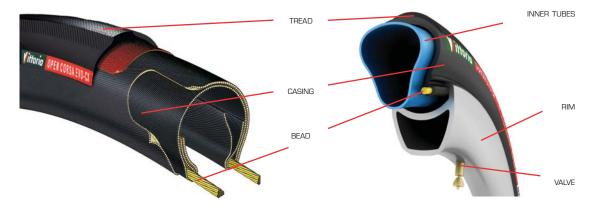






full RVC brass

# WHAT IS A TYRE?



A tyre is one part of the pneumatic system that takes care of road contact and cushioning for most wheel-based means of transport. Inner tubes are another part of this system, together with the wheels both tyre and tube are mounted on.

Looking at bicycles, tyres came chronologically after tubulars, but soon took over, thanks to their user-friendliness: in fact, inner tubes and tyres are separate entities that can be easily replaced independently in case of damage or puncture. Let's analyze the different parts a tyre is made of:

- casing: commonly made of rubberized nylon fabric. The number of threads per length-unit (measured as TPI, threads per inch) gives an idea of the casing density and on the ride quality (see TPI, page II). Vittoria's top of the line casings are made of polycotton mated with aramid fibres (Vittoria's exclusive);
- tread: providing contact between tyre and road, it's a layer of a special rubber compound, with a more or less aggressive pattern (absent in case of slick tyres). Common elements, beside polymers, contained in high performance tread compounds are silica (SiO2) and carbon black. Vittoria also employs finely chopped Kevlar® fibres in some of its most exclusive compounds;
- bead: it gives the mechanic hold of the tyre onto the rim, when the inner tube is inflated. It can be rigid or foldable. Rigid beads are made of steel and can be mono-wire (one single wire, very stiff) or grommet-type (several wires twisted together, more flexible for an easier tyre fit). All Vittoria's rigid beads are grommet-type. Foldable beads are made up of aramidic fibres and allow 40 to 60 g of weight saving (according to the tyre size) over rigid ones, beside making the tyre easy to fold and carry.

#### tech

#### FITTING THE TYRE



Attention: before fitting, make sure the rim is the right size for the tyre and the innertube. Consult your authorized Vittoria dealer if you are not sure.

- 3. Inflate the inner tube signtly, avoiding any building;
  4. Starting from the valve, insert the inner tube between the tyre and the rim;
  5. Starting from the valve area, insert the second bead. To make it easier, push the valve towards the outside of the rim. Take special care not to damage the inner tube; use tyre levers only if absolutely necessary;
  6. Having first slightly inflated the tyre (max. 1 bar/15 psi), check if the inner tube is correctly positioned inside the tyre;
  7. Never allow the inner tube to be squashed between the rim and the tyre bead;
  8. Using a pump with a pressure gauge, inflate the tyre to the indicated pressure;

Maintenance: Keep in a dry place and away from light. After each ride, always remove from the tyre any particle stuck in the tread that might damage

# REVO.KXS

**Double tread pattern**: smooth design on one side, aggressive on the other one

**Double tread compound**: Aquagrip 3D Compound for wet conditions, Kevlar®  $SiO_2$  3D Compound for all conditions.

Casing: 290 TPI Corespun K, the same casing you can find in Open Corsa Evo CX, Slick or Tech, i.e. the top clinchers of Vittoria range.

290 TPI Corespun K is the only casing on the market to be made of Kevlar® Threads associated with polycotton threads, for a total of 290 thread per inch on each casing ply (TPI, in fact, means Thead Per Inch). This special casing assures of course a better cut resistance, but also the best perfomance and flexibility ever reached, allowing to easily reverse the tyre even after a long time, with no deformation at all.

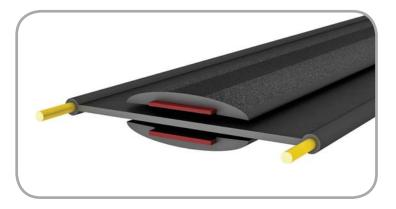


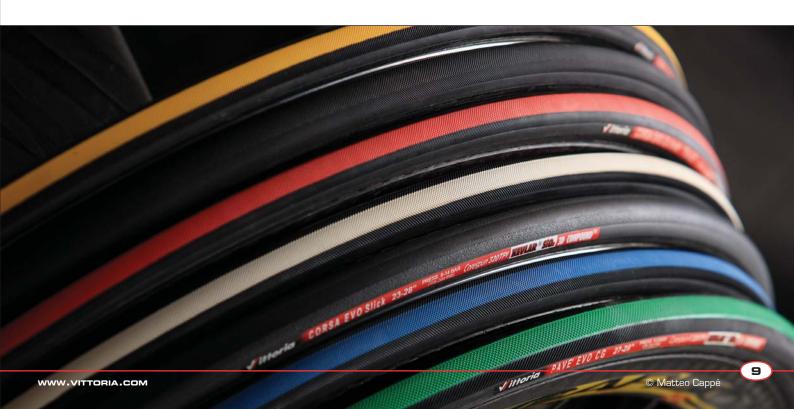
**Double puncture protection**: Revo.KXS has got 2 *PRB* (Puncture Resistance Belting) in between each tread and the casing *(please see the picture here below)* 

Weight: 265 g, only 35 grams more than the famous Open Corsa Evo CX, Slick or Tech, due the the fact there's a tread and a PRB more

	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\oplus$ $\circlearrowleft$	ETRT0	g	bar	psi					
28"	23 - 622 • 700x23c	275	8/10	115/145	390.019.3	Coresoun K 290TPI	KEVLAR® SiO2	TWIN TOPAD	2x PRB®
						Nurvicar I Casarage	3D COMPOUND™	Technology	
							[		

- Extreme adaptability to any road condition;
- Double tread-life: both sides of Revo KXS tend to wear at the same rate;
- More than double puncture protection: a double tread means two lots of puncture resistant belting (PAB) between the casing and each tread;
- High cut-resistance on the sidewall;
- **Better performance:** the treads' "sandwich" structure and the *Corespun K* casing make for effective vibration damping, thus minimising rolling resistance. Everything is designed to help you go faster.



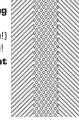




## **OPEN CORSA EVO CX**

Open Corsa CX has proved successful in road races all over the world, but the new EVO version is bound to even greater success. "Handmade" for superior performance and comfort. Further features are the Kevlar® SiO2 3D Compound with added silica - for reduced rolling resistance and better grip in the wet

Our new high density casing - a true 320 TPI (equivalent to over 1.200 threads per decimetre!) - delivers unbeatable comfort and superior performance with inflation pressure of up to 145 psi! New PRB 2.0 puncture resistant belting placed underneath the tread increases the flat prevention properties of the Open Corsa Evo CX up to 40%, even while reducing the weight. The new Open Corsa Evo CX is tougher and faster than ever before.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	20 - 622 • 700x20c	195	8/10	115/145	374.320.1	Corespun 320TPI	KEVLAR® SiO₂	Technology	PRB*2.0
	23 - 622 • 700x23c	210	8/10	115/145	374.323.1		3D COMPOUND™	recrinology	
	25 - 622 • 700x25c	220	7/9	100/130	374.325.1				
	23 - 622 • 700x23c	210	8/10	115/145	374.323.4				
	23 - 622 • 700x23c	210	8/10	115/145	374.323.2				
	23 - 622 • 700x23c	210	8/10	115/145	374.323.3				
П	23 - 622 • 700x23c	210	8/10	115/145	374.323.5				
26"	20 - 571 • 650x20c	185	8/10	115/145	374.620.1				



# **OPEN CORSA EVO SLICK**

The slick racing tyre with differential grip. "Handmade" for superior performance and comfort. An innovative slick design from Vittoria's constant R&D initiatives:

- 15% roughness centrally, for minimum rolling resistance;
- 30% side roughness for safer cornering.

Kevlar® SiO2 3D Compound with added silica, for reduced rolling resistance and better grip in the wet.

Our new high density casing - a true 320 TPI (equivalent to over 1.200 threads per decimetre!) - delivers unbeatable comfort and superior performance with inflation pressure of up to 200 psi! New PRB 2.0 puncture resistant belting placed underneath the tread increases the flat prevention properties of the Open Corsa Evo Slick up to 40%, even while reducing the weight.



	COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	210	8/10	115/145	375.323.6	Corespun 320TPI	KEVLAR® SiO2	TWIN TREAD	PRB°2.0
							3D COMPOUND™	Technology	

#### tech

#### PIT STOP ROAD RACING



THANKS TO VITTORIA PIT STOP ROAD RACING, THE BAD TIMES ARE OVER.

The exclusive formula of this inflate and repair cartridge can fix punctures on both latex and butyl tubes, **inflating** a 21-28" sew-up **to around 6,5 bar** (enough to go back home, or you can add more air with an handpump).

Once at home, just check the pressure and let the foam work to **fix the hole** (wheel with the hole in the lower position). The puncture will be repaired

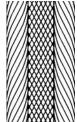
and you'll have an extra bonus of 3 months of puncture prevention (before the liquid inside the tube dries-up). No negative effect. Adds just 15

- can save you stress (when you have to install a new tubular on the side of a road); can save you weight (carrying the Pit Stop RR instead of a tubular: typically 200 g less); works great also for clinchers!



Pit Stop propellent is highly volatile. It might be needed to re-inflate the tubular (or clincher) the day after!

#### OPEN CORSA EVO TECH



Tech feature in our lineup means "specific for foul weather conditions" (read winter/wet). The added latex layer on the sidewalls increases **casing's cut resistance** from small glasses/sharp stones often brought into the lane by rain from the roadside.

**Specific Aquagrip** Compound gives for a **terrific grip** in all nasty road conditions (cold/wet). "Handmade" for superior performance and comfort. Designed for foul weather use, with excellent racing characteristics in the rain. New tread pattern for even better performance:

- "diamond" tread pattern elongated in the direction of rotation for better ground contact;
- curved side ribbing for excellent flex-free grip even in the wet;
- Acquagrip Compound, for reduced rolling resistance and better grip in the wet;
- Corespun 320 TPI casing, with latex reinforced sidewalls.
- New PRB 2.0 puncture resistant belting placed underneath the tread increases the flat prevention properties of the Corsa Evo Tech up to 40%, even while reducing the weight.



	COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	230	8/10	115/145	376.323.6	Corespun 320TPI	AQUAGRIP 3D COMPOUND	Technology	PRB*2.0

# OPEN PAVÉ EVO CG



Especially for those who cycle **all year round, on all road surfaces** (including pavé and asphalt) and for racers in the **North European classic races**, Vittoria has improved one of its most traditional models, the CG, and raised it to the EVO K 320 Casing level.

With its new *Corespun K 320 casing* (80% polycotton, 20% Kevlar®), Open Pavé EVO CG is probably the strongest tyre available on the market. If you then add to it our *Kevlar® SiO2 3D Compound* for the tread and a "handmade" casing construction, typical of our tubulars and open tubulars, you get a green-black CG tread capable of out-shining the competition even on Roubaix roads, as well as in your own personal challenges. Our new high density casing - a true 320 TPI - delivers unbeatable comfort and superior performance with inflation pressure of up to 130 psi! New *PRB 2.0* puncture resistant belting placed underneath the tread **increases the flat prevention properties up to 40%, even while reducing the weight.** 



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	24 - 622 • 700x24c	240	7/9	100/130	377.324.7	Corespun K 320TPI	KEVLAR® SiO2	TWIN TREAD	PRB*2.0
							3D COMPOUND™	Technology	

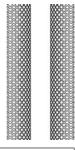




# DIAMANTE PRO

Safe on all kinds of asphalt and really fast, Diamante Pro is the state of the art of modern nylon bicycle tyre construction. The casing is a 220 TPI nylon wonder (a Vittoria exclusive and now further improved) and has got a new Integra 252 puncture protection, for flexibility, comfort and exceptional reliability. Vittoria still uses a specific tread compound, the Kevlar® Carbon 3D Compound (with silica and carbon black), in order to achieve the main goals related to such a high level of racing tyres: grip, low rolling resistance and endurance. Another great feature of this tyre is the new tread pattern which has been designed following the Prisma C.O.M. Vector Design: a slick central part with an orientated rhomb pattern on the sides, where each "rhomb" is shaped and oriented to perform better with side and breaking forces. The new tread pattern has been developed thanks to the new Finished Element Analysis (FEA) software in order to guarantee an outstanding grip and safety.

CASING



		COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE
$\otimes$	<b>©</b>	ETRTO	g	bar	psi	
28"		20 - 622 • 700x20c	175	7/10	100/145	400.120.1
		23 - 622 • 700x23c	195	7/10	100/145	400.123.1
		25 - 622 • 700x25c	215	7/10	100/145	400.125.1
		23 - 622 · 700x23c	195	7/10	100/145	400.123.4
		23 - 622 • 700x23c	195	7/10	100/145	400.123.2
		23 - 622 • 700x23c	195	7/10	100/145	400.123.3



COMPOUND



TREAD



PROTECTION



# **DIAMANTE PRO LIGHT**

The lightest and fastest Nylon clincher on the market is now better than ever! The revised 220 TPI Nylon Plus casing, coupled with the all new PRB 2.0 puncture resistanct belt, reduces the weight even further while increasing the puncture protection up to 40%. A unique bead to bead full slick tread gives the Diamante Pro Light the most modern and aerodynamic race appearance.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASI
$\otimes$	ETRTO	g	bar	psi		
28"	23 - 622 • 700x23c	170	9/11	130/160	401.323.1	NYL
	25 - 622 • 700x25c	185	9/11	130/160	401.325.1	99





COMPOUND

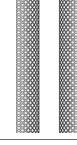




# **DIAMANTE PRO TECH**

An tyre ideal for superior performance on wet roads, trouble-free:

- revised 220 TPI Nylon Plus casing;
- special Aquagrip Compound for excellent grip even on the wet;
- Mithril sidewall protection against sharp debris found on roads in wet conditions;
- PRB $^{
  m B}$  2.0 puncture protection, increasing the puncture protection up to 40%;
- Prisma C.O.M. Vector tread design;



	COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	220	8/10	115/145	400.625.1	NYLON	<b>AQUAGRIP</b>	Iwin IPFAD	PRR®20
						PLUS	3D COMPOUND"	rechilology	

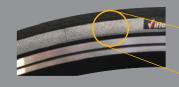








CUT PROTECTION: MITHRIL





# 

Mithril is a tear resistant polymer weave used in the sidewalls of some of our products. Thanks to its

## RUBINO PRO

Vittoria "raises the bar" for what concerns the standard casing quality level of modern nylon race tyres. Up to now 120 TPI casings were considered as good performing, now the new benchmark has been set to **150 TPI**, that means lower rolling resistance and unrivaled reliability. The Rubino is on a turf of his own when it comes to high mileage (torture tested in the RAAM and other endurance races) and it has been completely renewed: new casing, new thread pattern, new colours.

- Nylon 150 TPI casing, market-standard for high performance;
- new Kevlar® Endura 3D Compound, with high duration and exciting road-behaviour;
- PRB puncture protection;
- updated tread pattern, with Prisma Vector Design.



		COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND		TREAD	PF	OTECTION
$\otimes$	<b>©</b>	ETRTO	g	bar	psi							
28"		20 - 622 • 700x20c	205	7/10	100/145	335.320.1	NYLON	KEVLAR' EDURA				DR R
		23 - 622 • 700x23c	225	7/10	100/145	335.323.1	150	3D COMPOUND™	100	chnolog	_	
	П	25 - 622 • 700x25c	235	7/10	100/145	335.325.1	191			prisma c.o.m. VECTO	R	
		28 - 622 • 700x28c	245	7/10	100/145	335.328.1				design		
		23 - 622 • 700x23c	225	7/10	100/145	335.323.2		COLORI E MISURE	PESO	PRE	SSIONE	CODICE
		23 - 622 • 700x23c	225	7/10	100/145	335.323.3	$\otimes$	ETRTO	g	bar	psi	
		23 - 622 • 700x23c	225	7/10	100/145	335.323.4	28"	23 - 622 • 700x23c	225	7/10	100/145	335.323.9
		23 - 622 • 700x23c	225	7/10	100/145	335.323.5		23 - 622 • 700x23c	225	7/10	100/145	335.323.0
		23 - 622 • 700x23c	225	7/10	100/145	335.323.8	26"	23 - 571 • 650x23c	205	7/10	100/145	335.326.1

#### **RUBINO PRO SLICK**



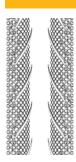
All new Rubino Pro features available with a slick tread pattern!

- Nylon 150 TPI casing, market-standard for high performance;
- new Kevlar® Endura 3D Compound, with high duration and exciting road-behaviour;
- PRB puncture protection.



	COLOURS AND SIZE	WEIGHT	PRE	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	215	7/10	100/145	336.323.6	NYLON	KEVLAR' TOUR	TWIN TREAD	DDD R
	25 - 622 · 700x25c	225	7/9	100/130	336.325.6	150	3D COMPOUND™	Technology	PRD
26"	40 - 559 • 26x1.50	385	3/6.5	45/95	336.340.6	TPI			

# **RUBINO PRO TECH**



- When road conditions are not ideal... sidewall-reinforced Rubino Pro Tech is your choice!
- ${\it Mithril\ sidewall\ protection}$  against sharp debris found on roads in wet conditions;
- Nylon 150 TPI casing, market-standard for high performance;
- new Aquagrip Compound, with high duration and exciting road-behaviour;
- PRB puncture protection;
- updated tread pattern, with Prisma Vector Design.



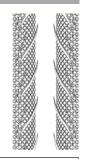
	COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
₩ 😍	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	240	7/10	100/145	337.323.6	NYLON	AQUAGRIP	TWIN TREAD	DDD (R)
	25 - 622 • 700x25c	260	7/10	100/145	337.325.6	150	3D COMPOUND"	Technology	PRD
	28 - 622 • 700x28c	280	5/8	70/115	337.328.6	TPI		prisma c.o.m. VECTOR	



# RUBINO

The Rubino Pro rigid version, updated with all the new features:

- Nylon 60 TPI casing, synonimous of good performance;
- new Kevlar® Endura 3D Compound, with high duration and exciting road-behaviour;
- PRB puncture protection;
- updated tread pattern, with Prisma Vector Design;
- grommet rigid bead (4 wires), for an easier fitting.



PROTECTION

CODE

335.023.9

335.023.0

335.026.1

PRESSURE

100/145

100/145

100/145

		COLOURS AND SIZE	WEIGHT	PRE	ESSURE	CODE	CASING	COMPOUND	)	TREAD
$\otimes$	3	ETRTO	g	bar	psi					
28"		20 - 622 • 700x20c	275	7/10	100/145	335.020.1	NVIO	KEVLAR'	M	prism c.o.m
		23 - 622 • 700x23c	305	7/10	100/145	335.023.1	NYLOI 60	3D COMPOUN	ID™	VECTO
		25 - 622 • 700x25c	335	7/10	100/145	335.025.1	Up.			
		28 - 622 • 700x28c	345	7/10	100/145	335.028.1				
		23 - 622 • 700x23c	305	7/10	100/145	335.023.2		COLOURS AND SIZE	WEIGHT	PRES
		23 - 622 • 700x23c	305	7/10	100/145	335.023.3	$\otimes$	ETRTO	g	bar
		23 - 622 • 700x23c	305	7/10	100/145	335.023.4	28"	23 - 622 • 700x23c	305	7/10
		23 - 622 • 700x23c	305	7/10	100/145	335.023.5		23 - 622 • 700x23c	305	7/10
		23 - 622 • 700x23c	305	7/10	100/145	335.023.8	26"	23 - 571 • 650x23c	285	7/10



# **RUBINO SLICK**

All new Rubino features available with a slick tread pattern!

- Nylon 60 TPI casing, synonimous of good performance;
- new Kevlar® Endura 3D Compound, with high duration and exciting road-behaviour;
- PRB puncture protection;
- grommet rigid bead (4 wires), for an easier fitting.



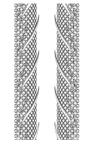
	COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
₩ €	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	305	7/10	100/145	334.962.3	ANZ ON	KEVLAR' EDUM	TWIN TREAD	DDD (R)
	25 - 622 • 700x25c	335	7/10	100/145	336.025.6	NYLON 60	3D COMPOUND™	Technology	PRD



# **RUBINO TECH**

A reinforced training tyre loaded with technology:

- Mithril sidewall protection against sharp debris found on roads in wet conditions;
- Nylon 60 TPI Casing, synonimous of good performance;
- new Aquagrip Compound, with high duration and exciting road-behaviour;
- PRB puncture protection;
- updated tread pattern, with Prisma Vector Design;
- grommet rigid bead (4 wires), for an easier fitting.



MERITARIO

	COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	310	7/10	100/145	337.023.6	NYLON	AQUAGRIP	prisma c.o.m.	
27"	32 - 630 • 27" x 1 1/4	370	7/10	100/145	334.123.7 *	60	3D COMPOUND	VECTOR design	PRD
* US only						tpi			MINTER OF

# ZAFFIRO PRO



Zaffiro Pro, new tread for an increased safety for training.

Thanks to the newly developed tread, with deeper cuts in the middle and shallower on the shoulders we achieved a better water dispersion (*Aquaflow* computer simulation) and a **faster and safer tyre when cornering.** 

60 TPI casing, *Aramid Endura 3D Compound* new compound (for a lower rolling resistance) and foldable bead all sum up to enhance the Zaffiro Pro as the ideal training tyre.



		COLOURS AND SIZE	WEIGHT	PRE	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	C	ETRTO	g	bar	psi					
28"		20 - 622 • 700x20c	210	7/10	100/145	353.320.1	NYLON	ARAMID CIPTA		DDD (R)
		23 - 622 • 700x23c	240	7/10	100/145	353.323.1	William Co.	3D COMPOUND™	AQUA-FLOW	PRD
		23 - 622 • 700x23c	240	7/10	100/145	353.323.2	60			
		23 - 622 • 700x23c	240	7/10	100/145	353.323.3				
		23-622 • 700x23c	240	7/10	100/145	353.323.4	. 44 -			
		23 - 622 • 700x23c	240	7/10	100/145	353.423.5	new			

# **ZAFFIRO PRO SLICK**



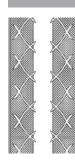
The new industry standard!

The Zaffiro Pro is now available in a "Slick" version featuring 15% roughness on the central treads and 30% roughness on the corners for the least rolling resistance and best turning ability.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	250	7/10	100/145	354.323.1	NYLON	ARAMID CIDER		
	25 - 622 • 700x25c	260	7/10	100/145	354.325.1	60	3D COMPOUND™	AQUA-FLOW	PRD S

# ZAFFIRO PRO TECH



All weather Zaffiro that excels in the worst of conditions.

Aquagrip compound delivers the best grip available on wet, cold roads while a Mithril sidewall protects agains cuts and abrasions.

The Zaffiro Pro Tech is built for abuse and will never let you down.



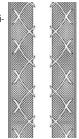
	COLOURS AND SIZE	WEIGHT	PRI	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\bigoplus$	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	290	7/10	100/145	353.623.1	NYLON	AQUAGRIP		
						NILON	3D COMPOUND"	AQUA-FLOW	PRD

# /inoria ZAFE

# **ZAFFIRO**

Tread is same as Zaffiro Pro (foldable), and the *Aramid Endura 3D Compound*.

A **stronger casing combined with bead wire** made from 4 twisted steel wires (for better flexibility) make Zaffiro **ideal for training**.



		COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE		CASING	3	COMPO	DUND		TREAD	F	PROTECTION
$\otimes$	<b>©</b>	ETRTO	g	bar	psi										
28"		20 - 622 • 700x20c	330	7/9	100/130	353.020.1		MVIC	M	ARAMID	adin:	1			
		23 - 622 • 700x23c	340	7/9	100/130	353.023.1		NYLO 26		3D COM	POUND"	A	QUA-FI	.ow	ND -
		25 - 622 • 700x25c	350	7/9	100/130	353.025.1		4U tpt							
		28 - 622 • 700x28c	400	5/8	70/115	353.028.1									
		23 - 622 • 700x23c	340	7/9	100/130	353.023.2			C	OLOURS AND SIZE		WEIGHT	PF	RESSURE	CODE
		23 - 622 • 700x23c	340	7/9	100/130	353.023.3		₩ 6		ETRT0		g	bar	psi	
		23 - 622 • 700x23c	340	7/9	100/130	353.023.4		27"	2	8 - 630 • 27" x	1 1/8	420	7/9	100/130	352.032.8 *
		23 - 622 • 700x23c	340	7/9	100/130	353.023.5	new		3	2 - 630 • 27" x	1 1/4	480	7/9	100/130	352.033.2 *
								* US or	nly						

# ZAFFIRO SLICK

Durable and fast, the Zaffiro Slick is available with a wire bead for extra durability.



	COLOURS AND SIZE	WEIGHT	PR	ESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
₩ 🕸	ETRTO	g	bar	psi					
28"	23 - 622 • 700x23c	350	7/9	100/130	354.023.1	NVI ON	ARAMID CIDURA		DDD (R)
	25 - 622 • 700x25c	360	7/9	100/130	354.025.1	26 26	3D COMPOUND™	AQUA-FLOW	PRD

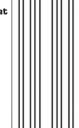


# ZAFFIRO PRO HOME TRAINER

Specifically designed for off-season home training.

The Zaffiro Pro Home Trainer features a special compound and tread pattern for **better heat** dispersion and noise reduction.

A must for the year round rider when outdoor conditions are unfavorable.



	COLOURS AND SIZE		PRE	ESSURE	CODE	CASING
$\otimes$	) ETRTO	g	bar	psi		
28"	23 - 622 • 700x23c	270	7/10	100/145	354.323.2	A. NVION
26"	30 - 559 • 26x1.1	340	7/10	100/145	354.330.2	NYLON 26

# TRACK TUBULARS

# PISTA EVO CS

Both Pista EVO CS and CL have been developed in collaboration with the AUSTRALIAN NATIONAL TRACK TEAM and the WORLD CYCLING CENTRE athletes (a U.C.I. organization), are the answer for world championship-level track racing.

Available in two sizes to adapt to indoor or outdoor tracks, these product share the same **Corespun T 320 TPI casing (specific for track applications)** and the *Kevlar® SiO* $_2$  3D Compound, typical of all EVO family products. The CS tread design boasts a slight diamond pattern.

The careful weight-saving process has led to excellent results:  $160 \ g$  for the 22 mm section and just  $140 \ g$  for 19 mm one!

Vittoria high quality and reliability result in a tubular born to win.



	COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE	CASING	COMPOUND	VALVE
$\otimes$		g	bar	psi				
28"	28" - 19	140	10/15	145/215	178.519.1	Corespun T 320TPI	KEVLAR® SiO <sub>2</sub>	42 mm
	28" - 22	160	10/15	145/215	178.522.1		3D COMPOUND™	full RVC alloy
	28" - 23	170	10/15	145/215	178.523.1			,

white para casing



#### PISTA EVO CL



Please see Pista EVO CS description. The only feature that changes here is the tread pattern, **completely slick** on the Pista EVO CL.

Engineering, construction, casing, compound and the outstanding champion's behaviour are absolutely the same as Pista EVO CS, i.e. **the maximum** one could get for track competitions!



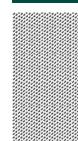
g bar psi	
g bar psi	
28" 28" - 19 135 10/15 145/215 179.519.1 Corespun <b>T 320TPI KEV</b>	AR® SiO <sub>2</sub> 42 mm
28"-22 150 10/15 145/215 179.522.1	OMPOUND full RVC alloy

white para casing



# 220 TPI

# PISTA CS



 $\textbf{Excellent for track training}, \ \textbf{the Pista CS is long lasting} \ \textbf{with excellent behaviour}:$ 

- Cotton 220 TPI casing for superior comfort and high inflation pressure;
- Kevlar® 3D tread Compound, excellent on wood and concrete.



	COLOURS AND SIZE	WEIGHT PRESSURE		CODE	CASING	COMPOUND	VALVE	
₩ 🕉		g	bar	psi				
28"	28" - 22	270	8/12	115/170	162.185.1	Cotton 220 TPI	<b>KEVLAR®</b>	51 mm
						2011011 220 111	3D COMPOUND™	RVC

# CROSS TUBULARS

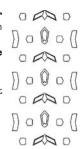


## **CROSS EVO XG**

**New 320 TPI suppler cotton casing** help reducing rolling resistance even further. **New softer rubber compound** coming from MTB World Cup experience for a better cornering gip and an increased traction. **New puncture protection +40%** over previous model.

This design, specifically made for cyclocross, is ideal for all trails where **traction and control are vital**, on dirt or mud:

- the cleverly spaced knobs make for a self cleaning tyre, with low rolling resistance;
- tubular structure with hybrid Corespun 320 TPI Casing (polycotton thread and Kevlar®): excellent comfort, great strength and a superior rolling resistance;
- puncture resistance latex inner tube;
- possibility of low inflation pressure to increase surface contact.



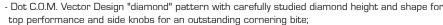
			WEIGHT PRESSURE		SSURE	CODE	CASING	COMPOUND	PROTECTION	VALVE
(	<b>₩</b> 0	<b>3</b>	g	bar	psi					
í	28"	28" - 32	390	2.5/6	35/90	140.532.1	Corespun 320TPI	50/60/50 ShA	PRB*2.0	42 mm
		28" - 34	410	2.5/6	35/90	140.534.1	Corespondent		, , , , , , , , , , , , , , , , , , , ,	full RVC alloy

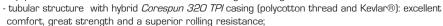




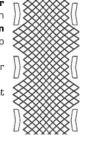
## **CROSS EVO XN**

**New 320 TPI suppler cotton casing** help reducing rolling resistance even further. **New softer rubber compound** coming from MTB World Cup experience for a better cornering gip and an increased traction. **New puncture protection +40%** over previous model. **Updated tread design** for a new great performance: the new XN offers a wider range of use and better cornering grip because of the new side knobs.





- puncture resistance latex inner tube;
- possibility of low inflation pressure to increase surface contact.



	COLOURS AND SIZE	WEIGHT	/EIGHT PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
$\otimes$	<b>3</b>	g	bar	psi						
28"	28" - 32	370	2.5/6	35/90	141.532.1	Corespun 320TPI	50/60/50 ShA	dot Greenste Computer Communication Communic	PRB*2.0	42 mm full BVC



alloy



#### **CROSS EVO XM**

New 320 TPI suppler cotton casing help reducing rolling resistance even further. New softer rubber compound coming from MTB World Cup experience for a better cornering gip and an increased traction. New puncture protection +40% over previous model.

The mud/loose condition offering from Vittoria.

Widely spaced knobs allow optimum mud shedding while providing unparalleled grip while accelerating, braking and cornering.

Hand made casing construction delivers a supple and fast tyre, two characteristics demanded by Cyclocross racing.



	COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE	CASING	COMPOUND	PROTECTION	VALVE
$\otimes$	<b>3</b>	g	bar	psi					
28"	28" - 32	390	2.5/6	35/90	142.532.1	Corespun 320TPI	50/60/50 ShA	PRB° 2.0	42 mm full RVC



#### CROSS TYRES

## CROSS XG PRO

no@0( 0000 no@01 0000

This design, specifically made for cyclocross, is ideal for all trails where traction and control are vital, on dirt or mud.

The cleverly spaced knobs make for a **self cleaning tyre**, with low rolling resistance.

Unlike the tubular version, the tyre has Nylon 150 TPI casing and a foldable bead for top performance and light weight. PRB 2.0 puncture resistant belting.



		COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE	CASING	COMPOUND	PROTECTION	
$\otimes$	<b>©</b>	ETRTO	g	bar	psi					
28"		32 - 622 • 700x32c	350	4/6	60/90	340.332.1	NYLON	50/60/50 ShA	PR8°2.0	
		34 - 622 • 700x34c	380	4/6	4/6 60/90 340.334.1		150 150			

## **CROSS XN PRO**



Updated tread design for a new great performance: the new XN increase his performances thanks to the side knobs aimed at giving a wider range of use and a better cornering grip, both on tubular and on clincher:

- Dot C.O.M. Vector Design "diamond" pattern with carefully studied diamond height and shape for top performance and side knobs for an outstanding cornering bite;
- Nylon 150 TPI Casing and foldable bead, for high performance and light weight;
- PRB 2.0 puncture resistant belting.



	COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
$\otimes$	ETRTO	g	bar	psi					
28"	32 - 622 • 700x32c	350	4/6	60/90	341.332.1	NYLON	50/60/50 ShA	dot day	PRB*2.0
						150		design design	

## **CROSS XM PRO**



The mud/loose condition offering from Vittoria.

Widely spaced knobs allow optimum mud shedding while providing unparalleled grip while providing unparalleled grip while providing braking and cornering.

The new tread pattern and PRB 2.0 protection belt ensure the Vittoria Cross Clinchers deliver the lowest rolling resistance, the highest comfort, and the best all around grip.



	COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE	CASING	COMPOUND	PROTECTION
₩ 😍	ETRTO	g	bar	psi				
28"	32 - 622 • 700x32c	330	4/6	60/90	342.332.1	NYLON	50/60/50 ShA	PRB*2.0
						MILEON		

## **CASING TECHNOLOGIES**

#### **CORESPUN 320 TPI**

Corespun casings are made with polycotton threads (a polyester core over-spun with cotton) closely packed and encased in latex. Corespun casings differ in thread size and additive content:

# Corespun T 320TPI

Triathlon EVO Crono EVO CS Pista EVO CS/EVO CL

# Corespun 320TPI

Corsa EVO CX/Slick/Tech Open Corsa EVO CX/Slick/Tech Cross EVO XG/XN/XM

# Corespun K 320TPI

Pavè EVO CG Open Pavè EVO CG

#### Corespun T 320 TPI:

Made from a smaller diameter polycotton thread than the standard *Corespun 320 TPI* and latex, designed for use in track racing and time trials where the combination of high inflation pressure and low weight is essential.

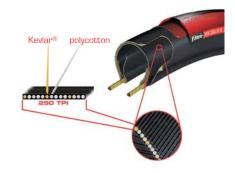
#### Corespun 320 TPI:

Vittoria takes a step ahead in its proprietary Polycotton casing construction. The new & improved 320 thread per inch fabric makes for a lighter and more flexible ride that is revolutionary in the industry. Corespun 320 TPI originates from a thinner, more resilient thread allowing the elimination of added Kevlar, permitting cotton's natural strength and durability properties to shine through.

#### Corespun K 320 TPI:

Made associating Kevlar® threads to polycotton threads to achieve improved cut and puncture resistance.

Corespun casings have a 320 TPI rating (meaning over 1.200 threads per decimetre!) and guarantee excellent riding comfort even at high inflation pressures.



#### **COTTON 220 TPI**

# Cotton 220 TPI

Corsa CR Rally Juniores Pista CS

## Cotton 220 TPI:

Cotton has a long history in the production of casings for racing tyres and tubulars. It's still used today on account of its unequalled, proven qualities: strength, flexibility and low rolling resistance.



## tech

#### **NYLON 220 TPI**



Diamante Pro Diamante Pro Light Diamante Pro Tech

#### Nylon Plus 220 TPI:

The unbeatable Nylon 220 Casing (220 TPI, a Vittoria exclusive) get even better. In fact Nylon Plus 220 is the last Vittoria technological solution and it raises the bar for what concerns the nylon clincher limits. A yarn with unbeatable mechanical proprieties, for the first time ever used in the cycling field of application, allowed us to reduce weight by 10%. It means therefore a better flexibility and improved road performances.

#### **NYLON 150 TPI**



The casing is manufactured with a combination of 150 TPI casing cord and Vittoria proven Puncture Resistant Belting (*PRB*), resulting in a fast, supple ride at great value.

Rubino Pro Slick Rubino Pro Tech Rubino Pro Tubular

Cross XG Pro/XN Pro/XM Pro

#### **NYLON 60 TPI**



Zaffiro Pro Zaffiro Pro Slick Zaffiro Pro Tech Rubino Rubino Slick Rubino Tech Value priced performance tyres that incorporate 60 TPI nylon casing cord and offer a high level of performance while maintaining the durability and the usual comfortable ride you expect from Vittoria.

#### NYLON 26 TPI



Vittoria Nylon 26 TP/was created to match the legendary Vittoria performance with an economically priced tyre, offering a good mix of durability, performance and price.

Zaffiro Slick Zaffiro Pro Home Trainer







220 TPI



150 TPI





The different textile structures, making the casing's soul: the more dense the net is, the more flexible the casing.



#### PROTECTION TECHNOLOGIES

Vittoria road racing tyres have built their reputation based on their exclusive casings and tread compounds, but strengh against cuts and punctures was still paramount in their development. Our goal being "protect" the tyres without stiffening the casing or reducing their performance, we came out with impressive features like Integra, PRB and Mithril.

#### **INTEGRA 252**

Integra is a bead to bead puncture protective layer. We use it for our 220 TPI nylon casings, the highest density of nylon cords available on the market (Vittoria eclusive): with Integra we can take advantage of the super-lightweight casing without compromising its sidewall resistance and sky-high maximum inflating pressure (160 psi for the Diamante Pro Light!).



#### PUNCTURE RESISTANT BELTING (PRB)



A new Aramidic fiber developed by a revolutionary manufacturing process.

PRB 2.0 incorporates thinner threads that cross at different angles, delivering a higher density material that is nearly impenetrable. Thanks to the thinnest and highest quality threads available, the PRB 2.0 retains it's incredibly light weight and superior flexibility that are only found in Vittoria's proprietary casings.



A thin lightweight but extremely strong layer of high density nylon is placed under the tread in order to achieve maximum puncture protection while maintaining low rolling resistance.

#### MITHRIL



Mithril is a tear resistant polymer weave used in the sidewalls of some of our products (Diamante Pro Rain, Rubino Pro Tech, Rubino Tech). Thanks to its excellent flexibility, Mithril improves strength without affecting ride comfort and bump absorption.

## tech

#### TREAD TECHNOLOGIES

A great deal of R&D must go into tread design to achieve better tyre performance and to improve wear resistance while also enhancing ability to cope with different road conditions. This is why Vittoria has developed a number of different tread concepts including the Prisma C.O.M. Vector Design pattern for enhanced cornering grip.

#### DOT C.O.M. VECTOR DESIGN



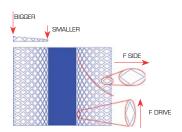
This is an evolution of the Dot C.O.M. Design concept, implying a more complex use and application of the "diamonds" onto our treads, according to a larger number of parameters:

- dimension: every single "diamond" has to be seen as a three-dimensional pyramid; since these pyramids are smaller near the tread centre and taller towards the sides, we get a lower rolling resistance in straight motion and more grip on bends;
- · shape: engineerd to obtain the maximum speed possible; every diamond is oriented to best cope with side and braking forces;
- direction: all elements follow a curved shape, in order to better drain water onto wet roads.

#### PRISMA C.O.M. VECTOR DESIGN



The traditional shape of the micro-knobs has been changed in favour of a prisma with a rhombus base in order to reach a higher contact surface with still the lower achievable rolling resistance.



## **TWIN TREAD**



Sometimes the best ideas are the simplest. This ingenious design places the hard tread in the center where the wear occurs, and uses a softer compound on the shoulders for unparalleled grip when cornering.

#### **AQUAFLOW**



The application of car-tyre design for rain to bicycles: water is driven out of the tread by the rotating forces acting on the tyre where deep tread grooves allow water to escape quickly.

#### **COMPOUND TECHNOLOGIES**

tech

At Vittoria we put a great deal of effort into developing new tread compounds. Our experience and skills allow us to produce the best possible compounds for all tyre applications.

#### KEVLAR® SIO,



KEVLAR® SiO<sub>2</sub> Kevlar® SiO<sub>2</sub> is a compound with a high silica (SiO<sub>2</sub>) content developed from Vittoria's top range of compounds. It also contains microscopic Kevlar® fibres, making it the state of the art compound for tyres with high grip even on wet roads, low rolling resistance and good duration too. *Kevlar®*  $SiO_2$  3D is the new reference standard for high performance tyre compounds.

#### **AQUAGRIP**



AQUAGRIP This compound has unbeatable grip thanks to the special polymer used - Isogrip® - charged with silica. A great advantage especially on 3D COMPOUND slippery surfaces, such as wet roads.

#### **KEVLAR® CARBON**



KEVLAR'Carbon A new high-end compound, Kevlar® Carbon 3D Compound is the sinergy of Kevlar® strength and carbon durability. Adding Silica to this 3D (OMPOUND" performance compound, we set the reference for vulcanised high TPI nylon tyres.

#### **KEVLAR® ENDURA**



KEVLAR When making this new compound, we decided to capitalize on our glorious Kevlar® 3D Compound and increase its wear-resistance. Kevlar®

- superior tread-life;
- very good grip, on all roads;
- low energy absorption.

Strongly recommended for its high-mileage, both training and racing.

#### **KEVLAR® 3D**



KEVLAR® Kevlar® 3D guarantees top level performance, as victories in road races all over the world clearly demonstrate. The addition of Kevlar® not Only improves wear but also enhances grip and reduces rolling resistance, making this compound an excellent choice for riders who demand high performance.

#### ARAMID ENDURA



ARAMID Training tyres are never durable enought. For this reason we upgraded our Aramid Compound to increase its wear resistance, maintaining 3D (OMPOUND" the safe and inspiring road-behaviour our tyres are famous for.

		wear resistance	grip (dry)	grip (wet)	rolling resist. reduction
Kevlar® SiO <sub>2</sub>	KEVLAR® SiO <sub>2</sub> 3D (OMPOUND)	* * *	* * * *	* * * * *	* * * * *
Kevlar® Carbon	KEVLAR Carbon 3D (OMPOUND)	* * * *	* * * *	* * * *	* * * *
Kevlar® Endura	3D COMPOUND"	* * * * *	* * * *	* * *	* * * *
Kevlar®	KEVLAR® 3D COMPOUND®	* * *	* * * *	* * *	* * *
Aquagrip	AQUAGRIP 3D COMPOUND"	* *	* * * *	* * * * *	* * * *
Aramid Endura	ARAMID € 100 M 3D COMPOUND™	*****	* * * *	* * *	* * *



# **TECHNOLOGIES CHART**

TUBULARS		Casing		Ti	read	Protection	Valve
ROAD	TPI	technology	materials	compound	technology	puncture	mm
Corsa EVO CX	320	Corespun 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>	Twin Battistrada	PRB 2.0	42 full RVC alloy
Corsa EVO SLICK	320	Corespun 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>	Twin Battistrada	PRB 2.0	42 full RVC alloy
Corsa EVO TECH	320	Corespun 320 TPI	Polycotton	Aquagrip	Twin Battistrada	PRB 2.0	42 full RVC alloy
Pavè EVO CG	320	Corespun K 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>	Twin Battistrada	PRB 2.0	42 full RVC alloy
Crono EVO CS	320	Corespun T 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>		PRB	42 full RVC alloy
Triathlon EVO	320	Corespun T 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>		PRB 2.0	42 full RVC alloy
Corsa CR	220	Cotton 220 TPI	Cotton	Kevlar®	Twin Battistrada	PRB	51 RVC
Rally	220	Cotton 220 TPI	Cotton	Kevlar®	Twin Battistrada		36
Juniores	220	Cotton 220 TPI	Cotton	Kevlar®	Twin Battistrada		36
Rubino Pro Tubular	150	Nylon 120 TPI	Nylon	Aramid Endura	Twin Battistrada dot c.o.m. vector	PRB	42 full RVC brass
TRACK							
Pista EVO CS	320	Corespun T 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>			42 full RVC alloy
Pista EVO CL	320	Corespun T 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>			42 full RVC alloy
Pista CS	220	Corespun 220 TPI	Cotton	Kevlar®			51 RVC
CROSS							
Cross EVO XG	320	Corespun 320 TPI	Polycotton	50/60/50 ShA		PRB 2.0	42 full RVC alloy
Cross EVO XN	320	Corespun 320 TPI	Polycotton	50/60/50 ShA	dot c.o.m. vector	PRB 2.0	42 full RVC alloy
Cross EVO XM	320	Corespun 320 TPI	Polycotton	50/60/50 ShA		PRB 2.0	42 full RVC alloy

TYRES		Casing		Т	read	Protection		
ROAD	TPI	technology	materials	compound	technology	puncture	cut	
Revo.KXS	290	Corespun K 290 TPI	Kevlar® Polycotton	Kevlar®SiO <sub>2</sub> Aquagrip	Twin Battistrada	2xPRB		
Open Corsa EVO CX	320	Corespun 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>	Twin Battistrada	PRB 2.0		
Open Corsa EVO SLICK	320	Corespun 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>	Twin Battistrada	PRB 2.0		
Open Corsa EVO TECH	320	Corespun 320 TPI	Polycotton	Aquagrip	Twin Battistrada	PRB 2.0		
Open Pavè EVO CG	320	Corespun K 320 TPI	Polycotton	Kevlar®SiO <sub>2</sub>	Twin Battistrada	PRB 2.0		
Diamante Pro	220	Nylon Plus 220 TPI	Nylon	Kevlar®Carbon	Twin Battistrada prisma c.o.m vector	Integra 252		
Diamante Pro Light	220	Nylon Plus 220 TPI	Nylon	Kevlar®Carbon		PRB 2.0		
Diamante Pro Tech	220	Nylon Plus 220 TPI	Nylon	Aquagrip	Twin Battistrada prisma c.o.m vector	PRB 2.0	Mithril	
Rubino Pro	150	Nylon 150 TPI	Nylon	Kevlar® Endura	Twin Battistrada prisma c.o.m vector	PRB		
Rubino Pro Slick	150	Nylon 150 TPI	Nylon	Kevlar® Endura	Twin Battistrada	PRB		
Rubino Pro Tech	150	Nylon 150 TPI	Nylon	Aquagrip	Twin Battistrada prisma c.o.m vector	PRB	Mithril	
Rubino*	60	Nylon 60 TPI	Nylon	Kevlar® Endura	prisma c.o.m vector	PRB		
Rubino Slick*	60	Nylon 60 TPI	Nylon	Kevlar® Endura	Twin Battistrada	PRB		
Rubino Tech*	60	Nylon 60 TPI	Nylon	Aquagrip	prisma c.o.m vector	PRB	Mithril	
Zaffiro Pro	60	Nylon 60 TPI	Nylon	Aramid Endura	Aquaflow	PRB		
Zaffiro Pro Slick	60	Nylon 60 TPI	Nylon	Aramid Endura	Aquaflow	PRB		
Zaffiro Pro Tech	60	Nylon 60 TPI	Nylon	Aquagrip	Aquaflow	PRB	Mithril	
Zaffiro Pro Home Trainer	26	Nylon 26 TPI	Nylon					
Zaffiro*	26	Nylon 26 TPI	Nylon	Aramid Endura	Aquaflow	PRB		
Zaffiro Slick	26	Nylon 26 TPI	Nylon	Aramid Endura	Aquaflow	PRB		
CROSS								
Cross XG PRO	150	Nylon 150 TPI	Nylon	50/60/50 ShA		PRB 2.0		
Cross XN PRO	150	Nylon 150 TPI	Nylon	50/60/50 ShA		PRB 2.0		
Cross XM PRO	150	Nylon 150 TPI	Nylon	50/60/50 ShA		PRB 2.0		

<sup>\*</sup> rigid bead

TUBULARS																	
ROAD	TPI	20"-21	22"-21	24"-21	26"-20	26"-21	28"-19	28"-20	28"-21	28"-22	28"-23	28"-24	28"-25	28"-27	28"-32	28"-34	page
Corsa EVO CX	320				205 g				245 g		250 g		255 g				5
Corsa EVO SLICK	320										250 g						5
Corsa EVO TECH	320										270 g						5
Pavè EVO CG	320											270 g		320 g			6
Crono EVO CS	320									165 g							6
Triathlon EVO	320									230 g							6
Corsa CR	220									285 g							7
Rally	220								300 g		310 g						7
Juniores	220	220 g	240 g	260 g		290 g											7
Rubino Pro Tubular	150										290 g						7
TRACK		•					•				•	•					
Pista EVO CS	320						140 g			160 g	170 g						17
Pista EVO CL	320						135 g			150 g							17
Pista CS	220									270 g							17
CROSS		-		•	•	•				•		•					
Cross EVO XG	320														390 g	410 g	18
Cross EVO XN	320														370 g		18
Cross EVO XM	320														390		18

TYRES															
ROAD	TPI	30-559 26x1.1	40-559 26x1.50	20-571 650x20c	23-571 650x23c	20-622 700x20c	23-622 700x23c	24-622 700x24c	25-622 700x25c	28-622 700x28c	32-622 700x32c	34-622 700x34c	32-630 27"x1 1/4	28-630 27"x1 1/8	page
Revo.KXS	290						275 g								9
Open Corsa EVO CX	320			185 g		195 g	210 g		220 g						10
Open Corsa EVO SLICK	320						210 g								10
Open Corsa EVO TECH	320						230 g								11
Open Pavè EVO CG	320							240 g							11
Diamante Pro	220					175 g	195 g		215 g						12
Diamante Pro Light	220						170 g		185 g						12
Diamante Pro Tech	220						220 g								12
Rubino Pro	150				205 g	205 g	225 g		235 g	245 g					13
Rubino Pro Slick	150		385 g				215 g		225 g						13
Rubino Pro Tech	150						240 g		260 g	280 g					13
Rubino*	60				285 g	275 g	305 g		335 g	345 g					14
Rubino Slick*	60						305 g		335 g						14
Rubino Tech*	60						310 g						370 g		14
Zaffiro Pro	60					210 g	240 g								15
Zaffiro Pro Slick	60						250 g		260 g						15
Zaffiro Pro Tech	60						290 g								15
Zaffiro Pro Home Trainer	26	340 g					270 g								16
Zaffiro*	26					330 g	340 g		350 g	400 g			480 g	420 g	16
Zaffiro Slick	26						350 g		360 g						16
CROSS															
Cross XG PRO	150										350 g	380 g			19
Cross XN PRO	150										350 g				19
Cross XM PRO	150										330 g				19

<sup>\*</sup> rigid bead



<sup>\*</sup> foldable bead

## TRIPLE SHIELDING

# RANDONNEUR HYPER

Vittoria

Our 50 years of experience in professional bicycle racing is the foundation of the Randonneur Hyper; a no compromise tire born to be **the absolute best**.

A low weight foldable kevlar bead, exclusive and supple casing design, and the all new Triple Shielding puncture protection (PRB 2.0) deliver the most elite randonneuring tire available. The Randonneur Hyper's Aquaflow tread design and an optional horizontal reflective band continues Vittoria's devotion to the most reliable and comprehensive tyre range in the industry.



	SIZE	WEIGHT	PRE	ESSURE	CODE	PROTECTION	CASING	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi					
28"	32 - 622 • 700x32c riflettente	350	4/5	60/70	322.032.1		NYLON	KEVLAR® SiO2	AOUA-FI OW
	37 - 622 • 700x35c riflettente	390	4/5	60/70	322.037.1	SHIELDING	120	3D COMPOUND™	
	40 - 622 • 700x38c riflettente	440	3/6.5	45/95	322.040.1				

#### **DOUBLE SHIELDING**

#### E-RANDO

E-bike specific tyre.

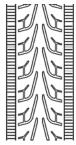
Reinforced casing (double ply, derived from MTB downhill racing) to better withstand the battery and the motor's added weight and to better cope with the higher speed these bikes are capable of. "Reclaimed" eco-compatible rubber compound. We recover and re-utilize rubber compounds coming from other manufacturing processes that instead of simply being wasted comes to a new life in the form of a City Trekking tyre thanks to our own proprietary mechanical and chemical processes. Double Shielding puncture protection is one of the most effective yet lightest available.

High end casing makes for **low rolling resistance** therefore incredibly low energy consumptions. Rigid bead tyre with reflective band.



	COLOURS AND SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	CASING	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi					
28"	37 - 622 • 700x35c reflective	730	4/5	60/70	327.537.1	PRUBLE	NYLON		AQUA-ELOW
	40 - 622 • 700x38c reflective	830	3/6.5	45/95	327.540.1	SHIELDING	120		Addition
							2 nlv	reclaimed 3D	

# **RANDONNEUR PRO**



Flexibility from a 120 TPI casing: the advantage of Vittoria casing technology.

The very best in city trekking tyres.

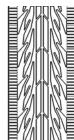
Foldable bead and a 120 TPI Nylon casing make Randonneur Pro unbeatable in weight and performance.

Aquaflow tread pattern, Double Shielding puncture protection and (optional) reflective bands give Randonneur Pro record beating safety and reliability.



	COLOURS AND SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	CASING	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi					
28"	32 - 622 • 700x32c reflective	420	4/5	60/70	323.001.2	PRUBLE	NYLON	<b>ARAMID</b>	AOUA-EI OW
	37 - 622 • 700x35c reflective	460	4/5	60/70	323.001.1	SHIELDING	120	3D COMPOUND™	
26"	40 - 559 • 26x1.50	510	3/6.5	45/95	323.017.0				
	40 - 559 • 26x1.50 reflective	510	3/6.5	45/95	323.017.1				

# RANDONNEUR CROSS PRO



The much appreciated, popular Randonneur Cross now comes in a PRO version (foldable):

- foldable bead for easy transport during long rides;
- Double Shielding puncture protection, for the best protection plus light weight;
- Nylon 120 TPI casing;
- light weight yet highly reliable.



	COLOURS AND SIZE	WEIGHT	PRE	ESSURE	CODE	PROTECTION	CASING	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi					
28"	32 - 622 • 700x32c reflective	430	4/5	60/70	324.015.2	POUBLE	NYLON	ARAMID	AQUA-FLOW
	37 - 622 • 700x35c reflective	450	4/5	60/70	324.015.1	SHIELDING	120	3D COMPOUND™	



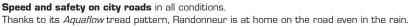
CASING: NYLON 120 TPI



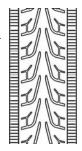
The experience gained in years of professional road racing couldn't be left aside when developping our city trekking tyres. In fact, Vittoria has been the first brand to develop high performance city tyres like Randonneur Pro and Randonneur Cross Pro, both with 120 TPI Nylon casing: a thread density incredibly high for this kind of application that makes our tyres light, fast and supple.

## **DOUBLE SHIELDING**

# **RANDONNEUR**



Randonneur features Aramid 3D Compound for optimal duration and grip. Double Shielding puncture protection and (optional) reflective bands.



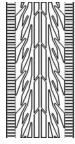
	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	25 - 622 • 700x25c reflective	390	4/6	60/90	323.125.1 🐳	POUBLE	ARAMID	AQUA-FLOW
	28 - 622 • 700x28c	490	4/6	60/90	323.003.2	SHIELDING	3D COMPOUND™	
	28 - 622 • 700x28c reflective	490	4/5	60/70	323.003.3			
	32 - 622 • 700x32c	580	4/5.5	60/80	323.004.2			
	32 - 622 • 700x32c reflective	580	4/5.5	60/80	323.004.3			
	37 - 622 • 700x35c	640	4/5.5	60/80	323.005.2			
	37 - 622 • 700x35c reflective	640	4/5.5	60/80	323.005.3			
	42 - 622 • 700x40c	780	3.5/4.5	50/65	323.006.2			
	42 - 622 • 700x40c reflective	780	3.5/4.5	50/65	323.006.3			
	50 - 622 • 700x48c reflective	880	3.5/5	45/70	323.052.1			
26"	37 - 590 • 650x35a	620	4/5	60/70	323.002.2			
	37 - 590 • 650x35a reflective	620	4/5	60/70	323.002.3			
	40 - 559 • 26x1.50 reflective	720	3/6.5	45/95	323.007.3			
20"	40 - 406 • 20x1.50 reflective	520	3/6.5	45/95	323.008.3			

# **RANDONNEUR CROSS**

Multi purpose tyre for touring and daily use.

Its specially shaped tread makes Randonneur Cross a real multi purpose tyre, at home on the road and off-road trails.

Randonneur Cross features Aramid 3D Compound for optimal durability and grip, Double Shielding puncture protection and (optional) reflective bands.



	•							
	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	28 - 622 • 700x28c	622 · 700x28c 520 4/6 60/85 324.022.8	POUBLE	ARAMID	AQUA-FLOW			
	28 - 622 • 700x28c reflective	520	4/6	60/85	324.032.8	SHIELDING	3D COMPOUND™	
	32 - 622 • 700x32c	580	4/5.5	60/75	323.023.2			
	32 - 622 • 700x32c reflective	580	4/5.5	60/75	324.033.2			
	37 - 622 • 700x35c	640	4/5	60/70	324.023.7			
	37 - 622 • 700x35c reflective	640	4/5	60/70	324.033.7			
	40 - 622 • 700x38c	700	4/5	60/70	324.024.0			
	40 - 622 • 700x38c reflective	700	4/5	60/70	324.034.0			
26"	44 - 559 • 26x1.75	590	3/5	45/70	324.855.9			

# **ULTRA SHIELDING**

# RANDONNEUR TRAIL

The evolution of Randonneur tyres never stops: Randonneur Trail is the latest Vittoria answer to the continuous changing of technology and design.

Aggressive, low rolling resistance, easy to drive, fast: find all this characteristics in another tyre... if you can.

 $\acute{\text{Aramid}}$   $\acute{\text{3D}}$  Compound, Ultra Shielding made the Randonneur Trail a great tyre for every ground and weather.



	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	37 - 622 • 700x35c reflective	720	4/6	60/90	325.037.1	COLTUS A	ARAMID	AQUA-ELOW
	40 - 622 • 700x38c reflective	780	4/6	60/90	325.040.1	SHIELDING	3D COMPOUND™	
26"	47 - 559 • 26x1.75 reflective	720	2.5/4.5	35/65	325.047.1			



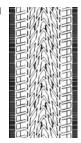
## **ULTRA SHIELDING**

# **RANDONNEUR TOURING**

Already belonging to the next generation of touring tyres, Randonneur Touring is a well balanced mix of killer look and pure performance.

- Ultra Shielding, one of the best puncture protections available;
- Microcarbon compound with high wear resistance.

Also available (optional) with reflective tape.

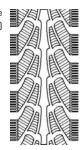


	SIZE	WEIGHT	PRE	ESSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	37 - 622 • 700x35c	790	4/5	60/70	324.103.7	COLLEGA	Llicro CARBON COMPOUND **	ACHIA EL CIW
	37 - 622 • 700x35c reflective	790	4/5	60/70	324.113.7	SHIELDING		
	40 - 622 • 700x38c	870	4/5	60/70	324.104.0			
	40 - 622 • 700x38c reflective	870	4/5	60/70	324.114.0			

# **RANDONNEUR COMFORT**

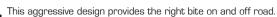


Aquaflow tread pattern, Microcarbon compound, and Ultra Shielding go together to make Randonneur Comfort an excellent city trekking tyre. Randonneur Comfort is available with (optional) reflective bands.



	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	37 - 622 • 700x35c	810	4/5	60/70	330.503.7	COLTURAL OF	LicroCARBON	AQUA-FI OW
	37 - 622 • 700x35c reflective	810	4/5	60/70	330.513.7	SHIELDING	COMPOUND ~	Adolastow
	40 - 622 • 700x38c	890	3.5/4.5	50/65	330.504.0			
	40 - 622 • 700x38c reflective	890	3.5/4.5	50/65	330.514.0			

# **ADVENTURE CROSS**



- Ultra Shielding, easily one of the best puncture protections on the market;
- *Microcarbon* compound with high wear resistance. Also available (optional) with reflective tape.



	•							
	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	37 - 622 • 700x35c	810	4/5	60/70	330.903.7	SHIELDING	LicroCARBON	ACUA-ELOW
	37 - 622 • 700x35c reflective	810	4/5	60/70	330.933.7		'COMPOUND"	
	40 - 622 • 700x38c	890	3.5/4.5	50/65	330.924.0			
	40 - 622 • 700x38c reflective	890	3.5/4.5	50/65	330.934.0			

# RUBBER SHIELDING

# **ADVENTURE TRAIL**



The Adventure Trail thanks to his modern and futuristic design is a dynamic and polyvalent tyre. The reliable *Rubber Shielding* puncture protection and the proved high performances *Aramid 3D compound* ensure unbeatable long life and low rolling resistance.



	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	37 - 622 • 700x35c reflective	760	4/6	60/90	331.037.1	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ARAMID	ACUA-EL OW
	40 - 622 • 700x38c reflective	790	4/6	60/90	331.040.1	SHIELDING	3D COMPOUND™	
26"	47 - 559 • 26x1.75 reflective	700	2.5/4.5	35/65	331.047.1			



## **RUBBER SHIELDING**

# **ADVENTURE TOURING**

A smooth, aggressive design for a tyre that's at home both for daily use and touring:

-  $\ensuremath{\textit{Rubber Shielding}}$  puncture protection, famous for its strength;

- Microcarbon compound with high cut resistance;

Also available (optional) with reflective bands.



	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	32 - 622 • 700x32c reflective	660	4/5	60/70	330.032.1	127 ISLEEP IN	LlicroCARBON	ACIVA-EL OW
	37 - 622 • 700x35c	710	4/5	60/70	330.823.7	SHIELDING	'COMPOUND™	
	37 - 622 • 700x35c reflective	710	4/5	60/70	330.833.7			
	40 - 622 • 700x38c	760	3.5/4.5	60/70	330.824.0			
	40 - 622 • 700x38c reflective	760	3.5/4.5	60/70	330.834.0			

# **ADVENTURE COMFORT**

**Modern and attractive,** Adventure Comfort is the synonym of reliability:

- Rubber Shielding puncture protection, famous for its strength;

- *Microcarbon* compound with high cut resistance; Also available (optional) with reflective bands.

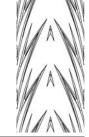


	SIZE	WEIGHT	PRE	SSURE	CODE	PROTECTION	COMPOUND	TREAD
$\otimes$	ETRTO	g	bar	psi				
28"	37 - 622 • 700x35c	710	4/5	60/70	/70 330.723.7	PARTIE BY	LicroCARBON	AQUA-FLOW
	37 - 622 • 700x35c reflective	710	4/5	60/70	330.733.7	SHIELDING	COMPOUND **	Adorsilow
	40 - 622 • 700x38c	760	3.5/4.5	50/65	330.724.0			
	40 - 622 • 700x38c reflective	760	3.5/4.5	50/65	330.734.0			
	47 - 622 • 28x1.75	820	2.5/5	35/70	330.714.4			
	47 - 622 • 28x1.75 reflective	820	2.5/5	35/70	330.724.4			
26"	47 - 559 • 26x1.75	730	2.5/5	35/70	330.734.4			
	47 - 559 • 26x1.75 reflective	730	2.5/5	35/70	330.744.4			

# **ADVENTURE**

An aggressive, modern design for a **tough city tyre**. With *Rubber Shielding* puncture protection.





		SIZE	WEIGHT	PRES	SSURE	CODE	PROTECTION	COMPOUND	TREAD
6	$\bigcirc$	ETRTO	g	bar	psi				
2	8"	37 - 622 • 700x35c reflective	690	4/5	60/70	321.037.1	<b>自</b> 对原始下的	LicroCARBON	ACULA EL CW
		40 - 622 • 700x38c reflective	720	3.5/4.5	50/65	321.040.1	SHIELDING	COMPOUND **	Adda

#### **PUNCTURE PROTECTION TECHNOLOGIES**

#### TRIPLE SHIELDING



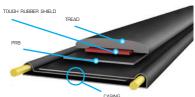
A new Aramidic fiber developed by a revolutionary manufacturing process. PRB 2.0 incorporates thinner threads that cross at different angles, delivering a higher density material that is nearly impenetrable. Thanks to the thinnest and highest quality threads available, the PRB 2.0 retains it's incredibly light weight and superior flexibility that are only found in Vittoria's proprietary casings.

#### **DOUBLE SHIELDING**



This is an advanced system projected to enhance puncture resistance in our tyres. It is made of TOLIGH RUBBER SHIELD two layers of different materials:

- a specially engineered tough rubber shield, able to resist to most sharp objects. Its width is limited, in order to keep the tyre flexible and easy-rolling;
- an additional high density nylon fabric layer canstop thorns and other really sharp small objects. This combination
  of hard rubber and high density nylon fabric allows our tyres to run for thousands of kilometres with virtually
  no flats.



#### **ULTRA SHIELDING**



Puncture resistance thanks to a solid shield of puncture proof special rubber.

The perfect solution for those who want to avoid flat tyres at all cost and so happily accept a slight increase in weight.

#### RUBBER SHIELDING



This hard rubber layer of puncture protection is a simplified version of *Double Shielding*. It is located directly under the tread and effectively prevents puncturing by sharp and pointed objects. With city trekking tyres in daily use, it gives an excellent level of puncture protection.

		puncture protection	lightweight	protection system
Triple Shielding	SHIELDING	* * * *	* * * * *	PRB 2.0
Double Shielding	Sum mass	* * * * *	* * * * *	tough rubber layer + double PRB
Ultra Shielding	SHIELDING	* * * *	* *	tough rubber layer, high thickness
Rubber Shielding	SHIELDING	* * *	* * *	tough rubber layer

# TREAD & COMPOUND TECNOLOGIES



## **AQUA-FLOW**



The application of car-tyre design for rain to bicycles: water is driven out of the tread by the rotating forces acting on the tyre where deep tread grooves allow water to escape quickly. The *Aquaflow* concept will be a constant feature for future city trekking models and finds its application in the Randonneur family.



## KEVLAR® SIO2



 $Kevlar@SiO_2$  is a compound with a high silica  $(SiO_2)$  content developed from Vittoria's top range of compounds. It also contains microscopic Kevlar® fibres, making it the state of the art compound for tyres with high grip even on wet roads, low rolling resistance and good duration too.  $Kevlar@SiO_2 3D$  is the new reference standard for high performance tyre compounds.

## ARAMID



Speaking of technologies we brought directly from the road racing field, *Aramid 3D Compound* is just a performance tread compound that we use for both high pressure tyres and high end city tyres. An exotic three-dimensional blend of aramidiche fibers into a premium rubber compound is what it takes to make our Randonneur family the reference for fast daily cycling.

#### **MICROCARBON**



Thanks to the use of finer than normal carbon black, *Microcarbon* gives exceptionally high wear resistance, making it ideal for riders who cycle every day.

#### RECLAIMED 3D



"Reclaimed" eco-compatible rubber compound. We recover and re-utilize rubber compounds coming from other manufacturing processes that instead of simply being wasted come to a new life in the form of a City Trekking tyre thanks to our own proprietary mechanical and chemical processes.

		wear resistance	grip (dry)	grip (wet)	rolling resist. reduction
Kevlar® SiO <sub>2</sub> Compound	KEVLAR® SiO <sub>2</sub> 3D COMPOUND®	* * * * *	* * * * *	****	****
Aramid	ARAMID 3D COMPOUND™	* * * * *	* * * * *	* * * *	****
Microcarbon	LLicro CARBON COMPOUND	****	* * * *	* * * *	* * * *
Reclaimed 3D	63	* * * *	* * * *	* * * *	* * * * *

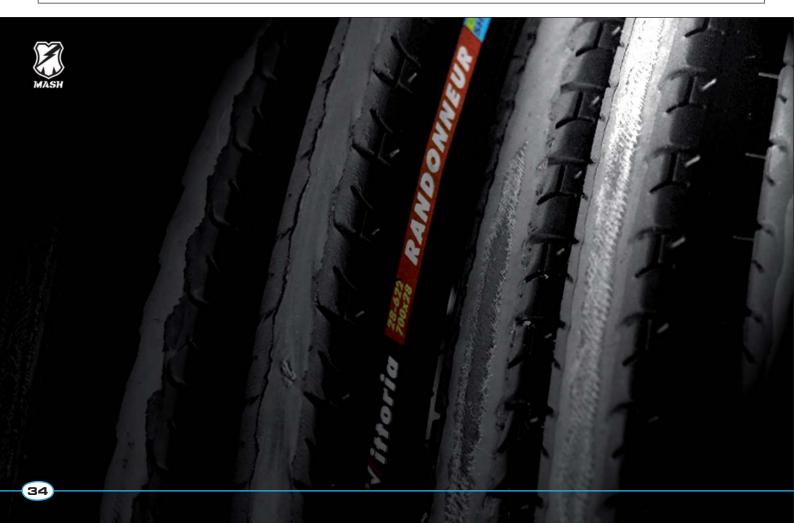
# CITY TREKKING

# tech

# WEIGHT & SIZE CHART

		40-406 20x1.50	40-559 26x1.50	44-559 26x1.75	47-559 26x1.75	37-590 650x35a	25-622 700x25c	28-622 700x28c	32-622 700x32c	37-622 700x35c	40-622 700x38c	42-622 700x40c	47-622 28x1.75	50-622 700x48c	page
Randonneur Hyper*	SHIELDING								350 g	390 g	440 g				26
E-Rando	POUB).									730 g	830 g				27
Randonneur Pro*	SHIELDING		510 g						420 g	460 g					27
Randonneur Cross Pro*	SHIELDING						-44-		430 g	450 g					27
Randonneur	SHIELDING	520 g	720 g			620 g	390 g	490 g	580 g	640 g		780 g		880 g	28
Randonneur Cross	PPUB).t			590 g				520 g	580 g	640 g	700 g				28
Randonneur Trail	BHIELDING				720 g					720 g	780 g				29
Randonneur Touring	BHIELDING									790 g	870 g				30
Randonneur Comfort	SHIELDING									810 g	890 g				30
Adventure Cross	SHIELDING									810 g	890 g				30
Adventure Trail	SHIELDING				700 g					760 g	790 g				31
Adventure Touring	SHIELDING								660 g	710 g	760 g				32
Adventure Comfort	SHIELDING				730 g					710 g	760 g		820 g		32
Adventure	SHIELDING									690 g	720 g				32

colours: black casing, black tread \* foldable bead



# **INNER TUBES**

	SIZE	SIZE			PRESTA VALVE	
	ETRTO		g	h = 51 mm *	h = 42 mm	h = 36 mm
Latex 19/23 - box	19/23 • 622 - 630	700x19/23	75		282.203.0 **	
Latex 25/28 - box	25/28 • 622/630	700x25/28	85		282.204.0 **	242.101.0
Ultralite 19/23 - box	19/23 • 622/630	700x29/23	95	242.101.4	242.101.0	
Ultralite 26" 19/23 - box	19/23 • 571	6509/23	75	242.102.4	242.102.1	
Ultralite 25/28 - box	25/28 • 622/630	700x25/28	85			242.102.0
Ultralite 30/38 - box	30/38 • 622/630	700x30/38	130			242.103.0
Ultralite 41/47 - box	41/47 • 622/630	700x41/47	150			242.104.0
Ultralite 19/23 - bulk	19/23 • 622/630	700x19/23	95		242.101.6	
Ultralite 25/28 - bulk	25/28 • 622/630	700x25/28	85			242.102.6
Ultralite 30/38 - bulk	30/38 • 622/630	700x30/38	130			242.103.6
Ultralite 41/47 - bulk	41/47 • 622/630	700x41/47	150			242.104.6

<sup>\*</sup> RVC: removable valve core





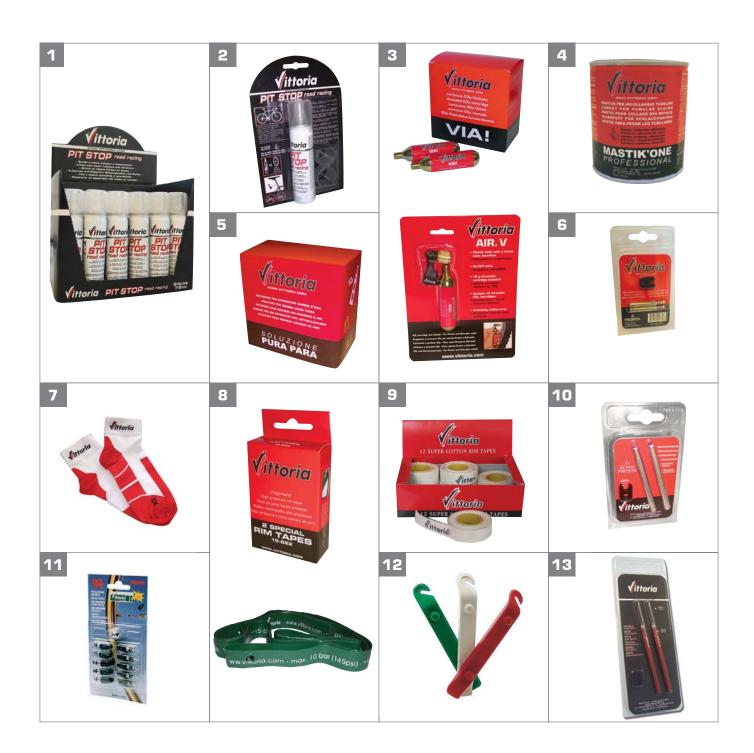




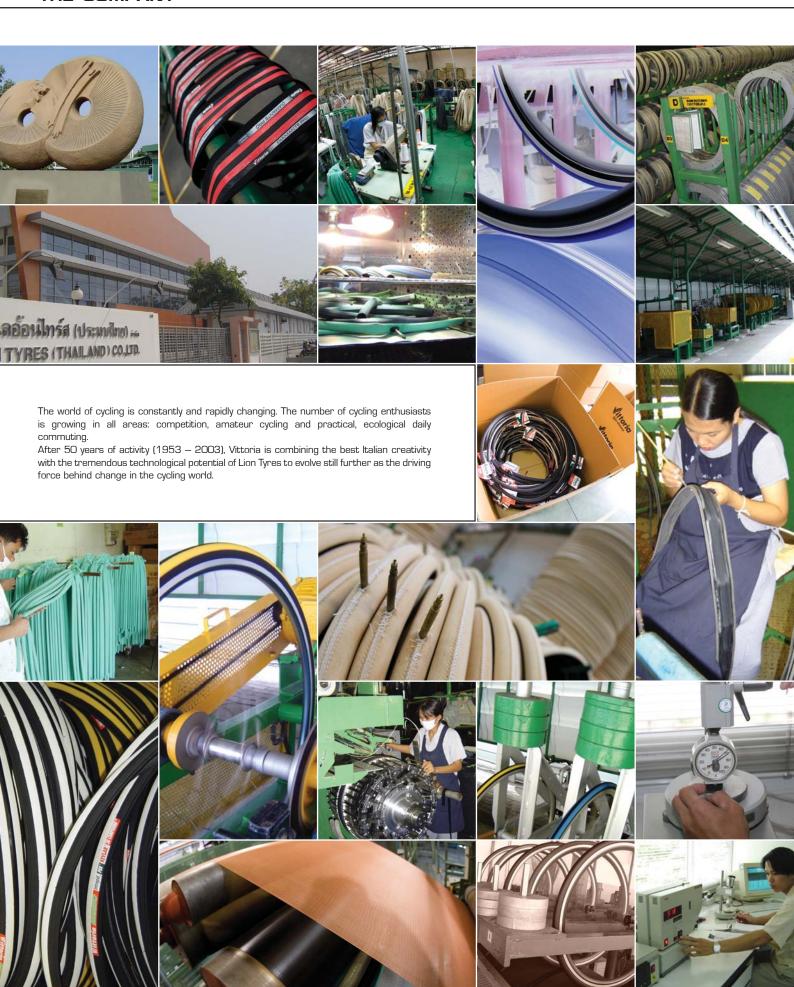
35 WWW.VITTORIA.COM © Camilla Candida Donzella

<sup>\* \*</sup> RV: full removable alloy valve

1 PIT STOP	2 PIT STOP	3 KIT AIR.V	4 MASTIK'ONE PROFESSIONAL
AOAD RAOIRO	KIT		PAOFESSIONAL
The first inflate and repair cartridge ideal for both tubulars and tyres!	Kit with one Pit Stop Road Racing and a clip to fix it to the seatpost.	KIT AIR V:  Kit with one Pit Stop Road Racing and a clip to fix it to the seatpost.	Kit with one Pit Stop Road Racing and a clip to fix it to the seatpost.
- inflates a 21-28" tubular up to 6,5 bar (enough to get home and increase pressure with a pump) and a tyre from 0 to 6 bar;		and a clip to fix it to the seatpost.	12 tubes box gr. 30 cod. 512:109.0
- pemanently repairs punctures in tubulars/tyres thanks to the	cod. ACCPTSTPRK	cod. 542.244.0 	gr. 250 tin cod. 512.125.0
special pure latex foam contained in the mixture	5 PURA PARA SOLUTION	CO <sub>2</sub> inflating tyres cartridges.	VALVE EXTENTION
- offers 3 months of prevention.	Solution for inner tubes repairing.		42 mm steel valve extension for Presta removable valve core valves.
- universal head: excellent for Presta, Schrader		20 pcs. box gr. 12 for tubulars and racing tyres cod. 542.242.0	For special wheels.
	12 tubes box gr. 30	15 pcs. box gr. 16 for tubulars, racing tyres	2 pcs. blister with spanner
cod. ACCPTSTPR	cod. 532.006.0	and MTB cod. 542.243.0	cod. 590.048.1
7 VITTORIA SOCKS	8 SPECIAL RIM TAPE	SUPER COTTON RIM TAPE	10 VALVE EXTENTION
Made of polyester-polyamide-lycra. Great comfort and durability.	Special tape for inner tube protection.	Adhesive cotton nipple protection tape for inner tubes. 16 mm wide.	62 mm aluminum valve extension for Presta removable valve core valves. For special wheels.
Size M-L cod. 550.001.0	for 28" racing tyres 15-622 pack 2 pcs. cod. 542,220,2	12 rolls box m 2	2 pcs. blister with spanner
Size XL-XXL cod. 550.002.0	for 28" racing tyres 18-622 pack 2 pcs cod. 542.222.1	cod. ACCCTTP16	cod. 590.048.2
11 VALVE CORES	for 26" racing tyres 18-571 pack 2 pcs. cod. 542.200.2	12 TYRE REMOVE LEVER	13 REMOVABLE VALVE
Presta valve cores.	for 28" racing tyres 15-622 pack 25 pcs. cod. 542.220.0 for 28" racing tyres 18-622	Min. pack = 10 set	Full removable alloy valve, red anodized, Vittoria logo. For 320 TPI tubulars, Rubino Pro and latex inner tubes.
	pack 25 pcs. cod. 542.220.1		42 mm cod. 590.042.1
10 pcs. blister with spanner cod. 542.230.0	for 26" racing tyres 18-571 pack 25 pcs. cod. 542.200.0	3 lever set cod: 542.222.0	80 mm cod. 590.080.1 110 mm cod. 590.110.1



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Vittoria S.p.A. Madone, Italia

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Production, R&D.



Vittoria Industries Ltd. Hong Kong

Financial Holding
Company.



Vittoria Logistic Center *Taiwan Taiwan* 

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