



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.

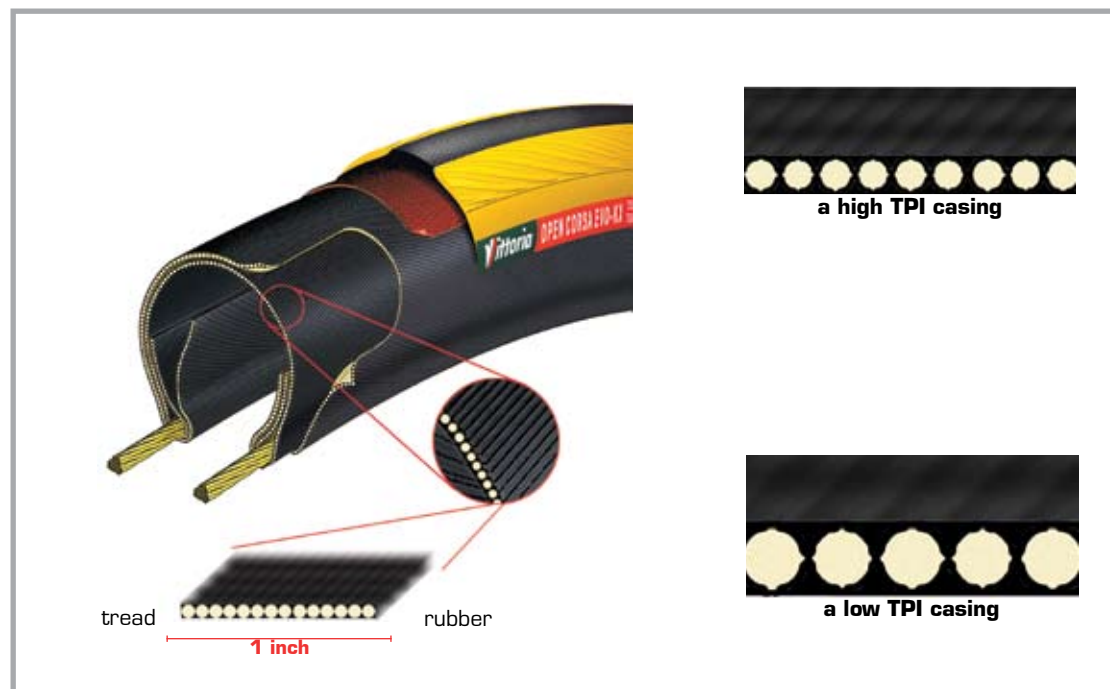
Vittoria TPI's range from 26 to 320 (see table on previous page):

- 26 to 220 for **nylon casings**;

- 220 to 320 for cotton and **polycotton casings**.

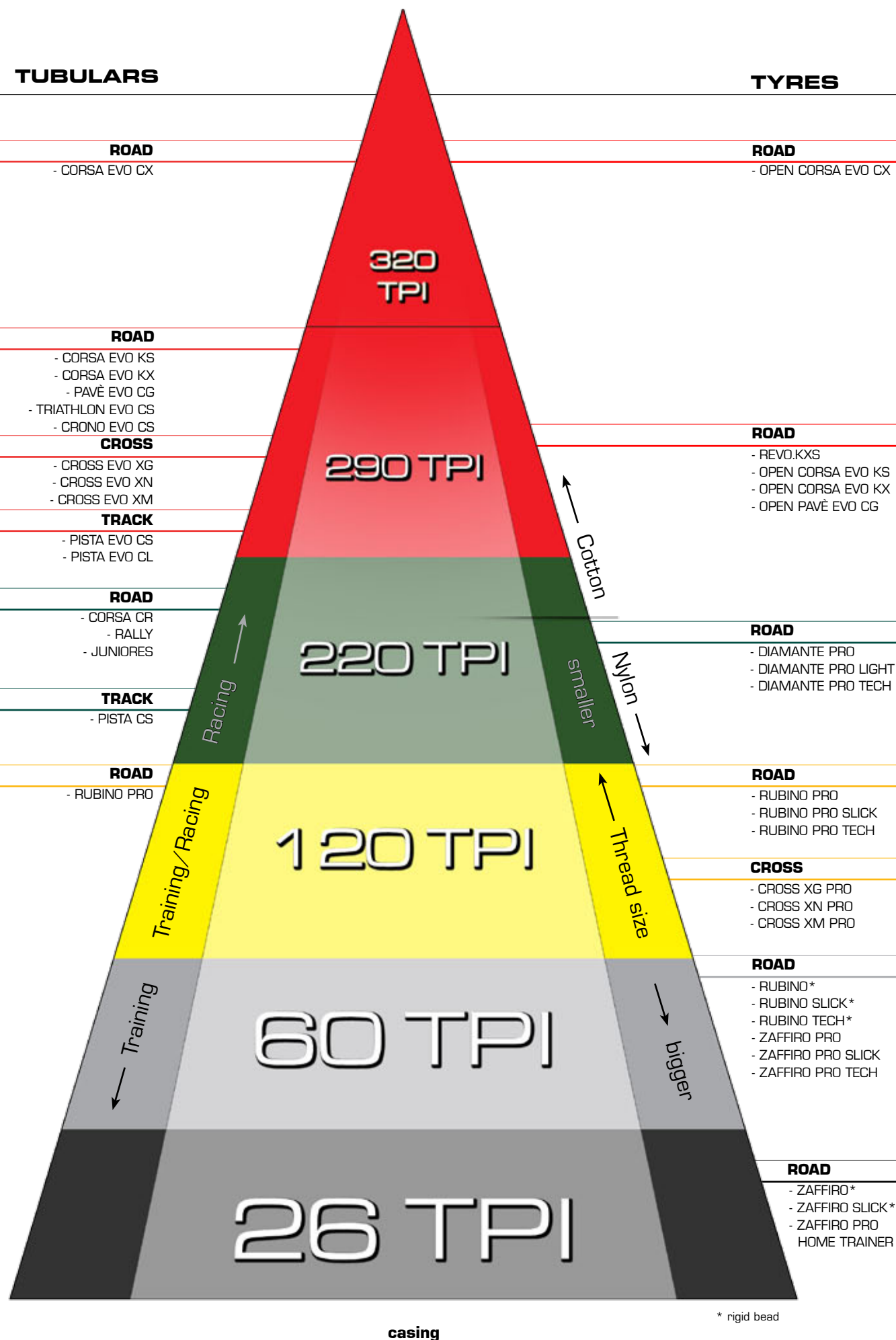
**320 TPI** is a record which Vittoria has achieved thanks to the constant efforts of its Research and Development team.

*This is the ultimate guarantee of outstanding performance and reliability.*



## TUBULARS

## TYRES











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## CITY TREKKING

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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 Tschmil  
1997 Zabel  
1996 Colombo  
1994 Furlan  
1993 Fondriest  
1992 Kelly  
1984 Moser

## Tour des Flanders

2007 Ballan  
2000 Tschmil  
1998 Museeuw  
1997 Sorensen  
1996 Bartoli  
1995 Museeuw  
1994 Bugno  
1993 Museeuw  
1991 Van Hooydonck  
1990 Argentin

## Paris - Roubaix

2007 O'Grady  
2006 Cancellara  
2004 Backsted  
2000 Museeuw  
1999 Tafi  
1998 Ballerini  
1996 Museeuw  
1995 Ballerini  
1994 Tschmil  
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

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

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

## World Cup / Pro Tour

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

## Giro d'Italia

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  
1981 Hinault  
1979 Hinault  
1978 Hinault

## Vuelta a España

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 Agnolotto  
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



Cofidis, le crédit par téléphone



Liquigas



Team CSC



Lampre



Euskaltel - Euskadi



Rabobank

## U.C.I. Continental Tour



Acqua &amp; Sapone - Caffè Mokambo



Team Barloworld



Cervelo-Lifeforce



CSF Group Navigare



Team Designa Køkken



Joker Bianchi



Karpin Galicia



Landbouwkrediet -Tönissteiner



LPR Brakes



Nippo Endeka



Odense Energi



Slipstream Chipotle H30



South Australia.com



Tinkoff Credit Systems

Professional Cycling Team  
www.tinkoff.it

Tinkoff Credit System

## National Federations



World Cycling Center



Federação Portuguesa de Ciclismo



Australian Road &amp; National teams

OFFICIAL SUPPLIER



Australian Institute of Sports

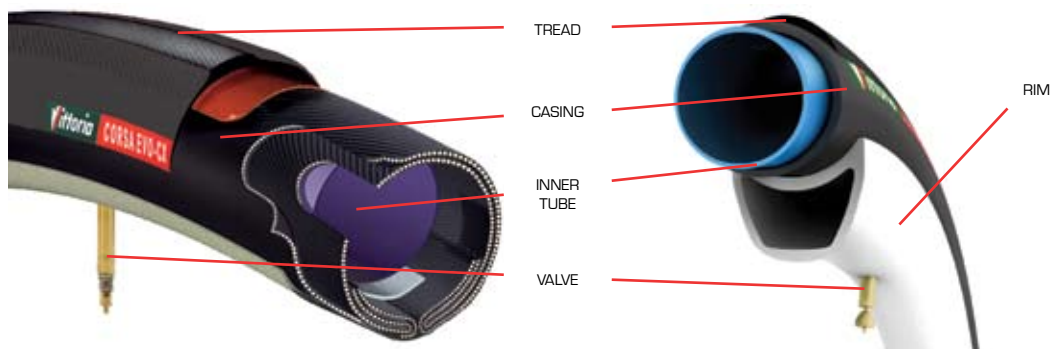


Japan Cycling Federal

## Single athletes

Edith Niederfriniger (ITA)  
*Triathlon*Maxine Seear (AUS)  
*Triathlon*Cristiano Federici (ITA)  
*Pista*Craig Walton (UK)  
*Triathlon*Belinda Granger (AUS)  
*Triathlon*Sarah Hammer (USA)  
*Pista*Ivan Risti (ITA)  
*Triathlon*Courtney Atkinson (AUS)  
*Triathlon*Katie Mactier (AUS)  
*Pista*Eric Gangelhoff (AUS)  
*Triathlon*Matty Reed (USA)  
*Triathlon*Anna Meares (AUS)  
*Pista*Emma Snowsill (AUS)  
*Triathlon*Belinda Goss (AUS)  
*Pista*Fabrizio Macchi (ITA)  
*Paralimpiadi*Marko Baloh (SL)  
*Race Across America*Jiri Jezek (CZ)  
*Paralimpiadi*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 air-permeability - pressure loss can be up to 0,5 bar/day, much stronger to punctures and with a high flexibility to keep rolling resistance 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 don't have a **constant casing radius**.

**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

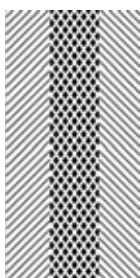
- 1 Sand-paper the rim (new or used), clean it with solvent and leave to dry. Carbon rims: just clean with solvent;
- 2 Clean the seam-cover tape of the tubular with a cloth slightly dipped in solvent;
- 3 Spread a thin layer of mastic over the rim and over the seam-cover tape;
- 4 After 5 to 10 minutes, 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 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 (70/90 psi).



### 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 *Kevlar® SiO<sub>2</sub> 3D Compound* with added silica - for reduced rolling resistance and better grip in the wet

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

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.



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
		bar	psi						
28"	28" - 21	245	8/14 115/200	174.521.1	<b>Corespun 320TPI</b>	<b>KEVLAR® SiO<sub>2</sub> 3D COMPOUND</b>	<b>TWIN TREAD Technology</b>	<b>PRB® 2.0</b>	42 mm full RVC alloy
	28" - 23	250	8/14 115/200	174.523.1					
	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					
	28" - 21	245	8/14 115/200	174.521.5					
26"	26" - 20	205	8/14 115/200	174.620.1					



42 mm full RVC alloy

### 290 TPI

### CORSA EVO KS



**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® SiO<sub>2</sub> 3D Compound* with added silica, for reduced rolling resistance and better grip in the wet.

*Corespun K 290 TPI* casing, with mixed polycotton (cotton and polyester) and Kevlar® threads. High thread density of 290 TPI (equivalent to over 1.100 threads per decimetre!) ensures maximum comfort even at high inflation pressures. Added Kevlar® means even better cut resistance.



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
		bar	psi						
28"	28" - 21	270	8/14 115/200	174.115.1	<b>Corespun K 290TPI</b>	<b>KEVLAR® SiO<sub>2</sub> 3D COMPOUND</b>	<b>TWIN TREAD Technology</b>	<b>PRB®</b>	42 mm RVC

### CORSA EVO KX



The **all year round** racing tubular:

"Handmade" for superior performance and comfort.

Special latex inner tube for significantly better elasticity and puncture resistance.

Designed for all year round use, with excellent racing characteristics even 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;
- *Kevlar® SiO<sub>2</sub> 3D Compound* with added silica, for reduced rolling resistance and better grip in the wet;
- *Corespun K 290 TPI* casing, with mixed polycotton (cotton and polyester) and Kevlar® threads.



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
		bar	psi						
28"	28" - 21	270	8/14 115/200	174.114.0	<b>Corespun K 290TPI</b>	<b>KEVLAR® SiO<sub>2</sub> 3D COMPOUND</b>	<b>TWIN TREAD Technology</b>	<b>PRB®</b>	42 mm RVC

# 290 TPI

## 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 level.

With its new *Corespun K<sup>2</sup>* casing (50% polycotton, 50% Kevlar®), Pavé EVO CG is probably the strongest tubular available on the market.

If you then add to it our *Kevlar® SiO<sub>2</sub> 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.



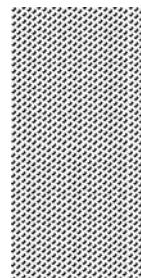
SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
		bar	psi						
28"	28" - 24	280	6/10 85/150	174.125.4					51 mm RVC
28"	28" - 27	330	5/8 70/115	174.125.7					



### TRIATHLON EVO CS

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

- low rolling resistance thanks to a polycotton *Corespun T 290 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® SiO<sub>2</sub> 3D Compound* for a light and fast tyre;
- *PRB* protection against flats.



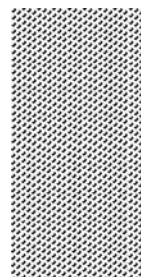
SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	PROTECTION	VALVE
		bar	psi					
28"	28" - 21	190	9/14 130/200	197.021.1				36 mm RVC



### CRONO EVO CS

Our **time trial** tubular has been completely redesigned:

- record-breaking weight: just 170 g!
- ultra-low rolling resistance thanks to the *Corespun T 290 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.



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	PROTECTION	VALVE
		bar	psi					
28"	28" - 20	170	8/14 115/200	196.862.0				36 mm RVC



### 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.

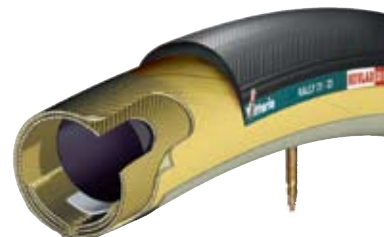


SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
		bar	psi						
28" 28" - 22	285	8/12	115/170	135.106.7	<i>Cotton 220 TPI</i>	<i>KEVLAR® 3D COMPOUND</i>	<i>SWISS TUBELESS Technology</i>	<i>PRB®</i>	51 mm RVC

### RALLY



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



CASING	COMPOUND	TREAD	VALVE
<i>Cotton 220 TPI</i>	<i>KEVLAR® 3D COMPOUND</i>	<i>SWISS TUBELESS Technology</i>	36 mm

SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE
		bar	psi	
28" 28" - 21	300	7/9	100/130	135.106.5
28" 28" - 23	310	7/9	100/130	135.107.5

para casing

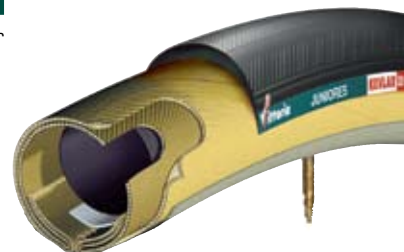
SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE
		bar	psi	
28" 28" - 21	300	7/9	100/130	135.106.1
28" 28" - 23	310	7/9	100/130	135.107.1

black casing

### JUNIORES



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**.



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	VALVE
		bar	psi					
26" 26" - 21	290	7/9	100/130	152.126.0	<i>Cotton 220 TPI</i>	<i>KEVLAR® 3D COMPOUND</i>	<i>SWISS TUBELESS Technology</i>	36 mm
24" 24" - 21	260	7/9	100/130	152.124.0				
22" 22" - 21	240	7/9	100/130	152.122.0				
20" 20" - 21	220	7/9	100/130	152.120.0				

para casing

## 120 TPI

### RUBINO PRO TUBULAR



The well known and appreciated Rubino tread is now available as a tubular.

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

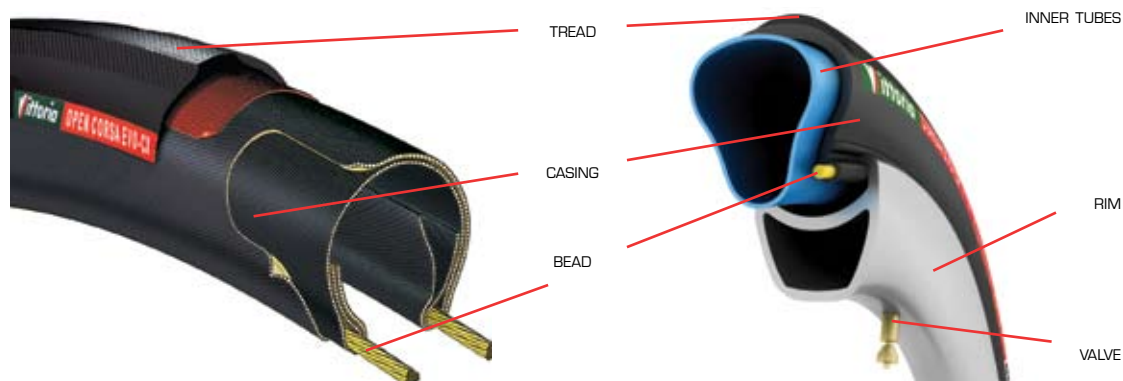
The tubular benefits, coupled with the Rubino's key characteristics, make it an incredible racing/training tubular:

- Seamless construction for a perfectly round shape;
- Casing overlap underneath the tread provides the best tubular puncture protection;
- Nylon 120 TPI casing is light and fast;
- Comfortable as only tubulars are.



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
		bar	psi						
28" 28" - 23	290	7/9	100/130	134.723.1	<i>NYLON 120</i>	<i>RUBINO COMPOUND 3D COMPOUND</i>	<i>dot C&amp;B VECTOR design</i>	<i>PRB®</i>	36 mm

## 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 ( $\text{SiO}_2$ ) 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.

1. Fit a good quality paranipples belt, suitable for the inflation pressure indicated on the tyre. Consult the authorized Vittoria dealer;
2. Place the first bead inside the well of the rim;
3. Inflate the inner tube slightly, avoiding any bulging;
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 the carcass, such as small stones, glass, metal, etc. Clean the tyre with plain water. Even when not using the bike for long periods, keep the tyre slightly inflated, and make sure that the weight is evenly spread.



### REVO.KXS



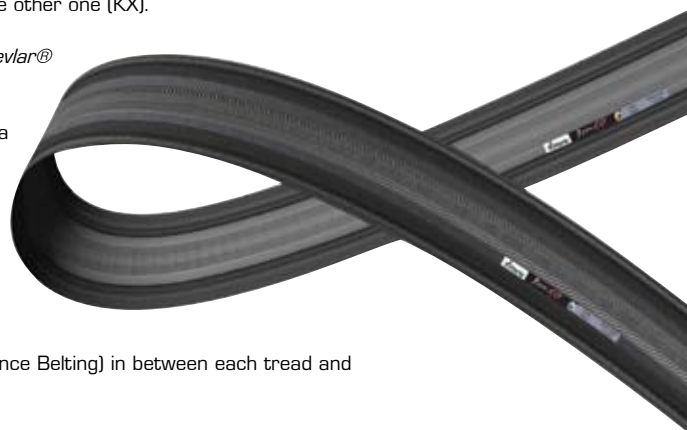
**Double tread pattern:** smooth design on one side (KS), aggressive on the other one (KX).

**Double tread compound:** *Aquagrip 3D Compound* for wet conditions, *Kevlar® SiO<sub>2</sub> 3D Compound* for all conditions.

**Casing:** *290 TPI Corespun K*, the same casing you can find in Open Corsa Evo CX, KX or KS, 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 Thread Per Inch). This special casing assures of course a better cut resistance, but also the best performance 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,KX or KS, due the the fact there's a tread and a *PRB* more.



	SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
	ETRTO	g	bar	psi					
28"	23-622 • 700x23c	275	8/10	115/145	390.019.3	<i>Corespun K 290TPI</i>	KEVLAR® SiO <sub>2</sub> 3D COMPOUND AQUAGRIP 3D COMPOUND	<i>Twinn Tread Technology</i>	2x <b>PRB®</b>

- **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 (*PRB*) 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.



Revo.KXS mounted on aggressive side



Revo.KXS mounted on slick side

# 320 TPI

## ROAD tyres



### OPEN CORSA EVO CX

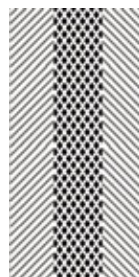
The Open Corsa CX has proved **successful in road races all over the world**, but the new EVO version is bound to even greater success.














Further features are the *Kevlar® SiO<sub>2</sub> 3D Compound* with added silica - for reduced rolling resistance and better grip in the wet

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 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.



	SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
	ETRTO	g	bar	psi					
28"	 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				
	 23-622 • 700x23c	210	8/10	115/145	374.323.5				
	 20-622 • 700x20c	195	8/10	115/145	374.320.1				
	 23-622 • 700x23c	210	8/10	115/145	374.323.1				
	 25-622 • 700x25c	220	7/9	100/130	374.325.1				
26"	 20-571 • 650x20c	185	8/10	115/145	374.620.1				

# 290 TPI



### OPEN CORSA EVO KS

**The slick racing tyre with differential grip.**

An innovative slick design from Vittoria's constant R&D initiatives:

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

*Kevlar® SiO<sub>2</sub> 3D Compound* with added silica, for reduced rolling resistance and better grip in the wet.

*Corespun K 290 TPI* casing, with mixed polycotton (cotton and polyester) and Kevlar® threads.

High thread density of 290 TPI (equivalent to over 1.100 threads per decimetre!) ensures maximum comfort even at high inflation pressures.

Added Kevlar® means even better cut resistance.



		SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
		ETRTO	g	bar	psi					
28"		20-622 • 700x20c	210	8/10	115/145	390.002.0				
		23-622 • 700x23c	230	8/10	115/145	390.002.3				
		20-622 • 700x20c	210	8/10	115/145	390.012.0				
		23-622 • 700x23c	230	8/10	115/145	390.012.3				

## tech PIT STOP ROAD RACING



Tubulars still provide the best possible ride, but are not so user-friendly in case of a flat.

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 g. Doesn't work in case of snakebites or cuts.

ADVANTAGES:

- can save you money (when you get a puncture on a brand-new tubular);
- 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 propellant is highly volatile. It might be needed to re-inflate the tubular (or clincher) the day after!**



### OPEN CORSA EVO KX



The new generation of racing tyres.

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.**

*Kevlar® SiO<sub>2</sub> 3D Compound* with added silica, for reduced rolling resistance and better grip in the wet.

*Corespun K 290 TPI* casing, with mixed polycotton (cotton and polyester) and Kevlar® threads.

High thread density of 290 TPI (equivalent to over 1.100 threads per decimetre!) ensures maximum comfort even at high inflation pressures.

Added Kevlar® means even better cut resistance.



SIZE AND COLOURS	WEIGHT	PRESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
ETRTO	g	bar psi					
28" 20-622 • 700x20c	210	8/10 115/145	390.022.0	<i>Corespun K 290TPI</i>	<i>KEVLAR® SiO<sub>2</sub> 3D COMPOUND</i>	<i>THIN TREAD Technology</i>	<b>PRB®</b>
28" 23-622 • 700x23c	230	8/10 115/145	390.022.3				
28" 20-622 • 700x20c	210	8/10 115/145	390.032.0				
28" 23-622 • 700x23c	230	8/10 115/145	390.032.3				

### 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 level.

With its new *Corespun K<sup>2</sup>* casing (50% polycotton, 50% Kevlar®), Open Pavé EVO CG is probably the strongest open tubular available on the market. If you then add to it our *Kevlar® SiO<sub>2</sub> 3D Compound* for the tread and a "hand made" 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.



SIZE AND COLOURS	WEIGHT	PRESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
ETRTO	g	bar psi					
28" 24-622 • 700x24c	250	7/9 100/130	390.072.4	<i>Corespun K<sup>2</sup> 290TPI</i>	<i>KEVLAR® SiO<sub>2</sub> 3D COMPOUND</i>	<i>THIN TREAD Technology</i>	<b>PRB®</b>

## Vittoria N.1 @ PARIS - ROUBAIX

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

# 220 TPI

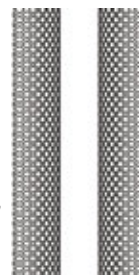
## ROAD tyres

### 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.



SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
		g	bar					
28"	ETRTO							
	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			
	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			

### 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 resistant 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.

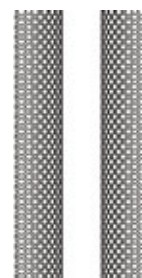
SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
		g	bar					
28"	ETRTO							
	23-622 • 700x23c	170	9/11	130/160	401.323.1			
	25-622 • 700x25c	185	9/11	130/160	401.325.1			

### DIAMANTE PRO TECH



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

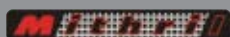
- special **Aquagrip Compound** for **excellent grip even on the wet**;
- **Mithril sidewall protection** against sharp debris found on roads in wet conditions;
- **PRB® 2.0 puncture protection**;
- **Prisma C.O.M. Vector** tread design;



SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
		g	bar					
28"	ETRTO							
	23-622 • 700x23c	220	8/10	115/145	400.625.1			

tech

#### CUT PROTECTION: MITHRIL



*Mithril* is a tear resistant polymer weave used in the sidewalls of some of our products. Thanks to its excellent flexibility, *Mithril* improves strength without affecting ride comfort and bump absorption.

Presence of *Mithril* protection is detectable by this silver band on the clincher side.



### RUBINO PRO



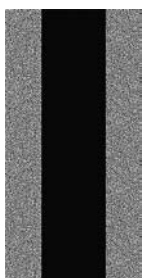
Our flagship model when it comes to high-mileage (torture-tested in extreme events like RAAM, Race Across America) is back, completely renewed!

- Nylon 120 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 Dot C.O.M. Vector Design.



SIZE AND COLOURS	WEIGHT	PRESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
ETRTO	g	bar psi					
28"	20-622 • 700x20c	210	7/10 100/145	334.220.4			
	23-622 • 700x23c	230	7/10 100/145	334.223.4			
	20-622 • 700x20c	210	7/10 100/145	334.220.2			
	23-622 • 700x23c	230	7/10 100/145	334.223.2			
	20-622 • 700x20c	210	7/10 100/145	334.220.3			
	23-622 • 700x23c	230	7/10 100/145	334.223.3			
	20-622 • 700x20c	210	7/10 100/145	334.220.5			
	23-622 • 700x23c	230	7/10 100/145	334.223.5			
	20-622 • 700x20c	210	7/10 100/145	334.220.1			
ETRTO	g	bar psi					
	23-622 • 700x23c	230	7/10 100/145	334.223.1			
	25-622 • 700x25c	240	7/9 100/130	334.225.1			
	28-622 • 700x28c	250	5/8 70/115	334.228.1			
26"	23-571 • 650x23c	210	7/10 100/145	334.226.1			

### RUBINO PRO SLICK



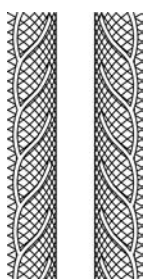
All new Rubino Pro features available with a slick tread pattern!

- Nylon 120 TPI casing, market-standard for high performance;
- new Kevlar® Endura 3D Compound, with high duration and exciting road-behaviour;
- PRB puncture protection.



SIZE AND COLOURS	WEIGHT	PRESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
ETRTO	g	bar psi					
28"	23-622 • 700x23c	220	7/10 100/145	334.942.3			
	25-622 • 700x25c	230	7/9 100/130	334.952.3			
26"	40-559 • 26x1.50	390	3/6,5 45/95	334.944.0			

### RUBINO PRO TECH



When road conditions are not ideal... sidewall-reinforced Rubino Pro Tech is!

- Mithril sidewall protection against sharp debris found on roads in wet conditions;
- Nylon 120 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 Dot C.O.M. Vector Design.



SIZE AND COLOURS	WEIGHT	PRESSURE	CODE	CASING	COMPOUND	TREAD	PROTECTION
ETRTO	g	bar psi					
28"	23-622 • 700x23c	240	7/10 100/145	334.112.3			
	25-622 • 700x25c	260	7/10 100/145	334.112.5			
	28-622 • 700x28c	280	5/8 70/115	334.112.8			



# 60 TPI

## ROAD tyres

### RUBINO



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

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



	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
	ETRTO			bar	psi					
28"		20-622 • 700x20c	280	7/10	100/145	334.420.4				
		23-622 • 700x23c	310	7/10	100/145	334.423.4				
		25-622 • 700x25c	340	7/10	100/145	334.425.4				
		20-622 • 700x20c	280	7/10	100/145	334.420.2				
		23-622 • 700x23c	310	7/10	100/145	334.423.2				
		25-622 • 700x25c	340	7/10	100/145	334.425.2				
		20-622 • 700x20c	280	7/10	100/145	334.420.3				
		23-622 • 700x23c	310	7/10	100/145	334.423.3				
		25-622 • 700x25c	340	7/10	100/145	334.425.3				
		20-622 • 700x20c	280	7/10	100/145	334.420.5				
		23-622 • 700x23c	310	7/10	100/145	334.423.5				

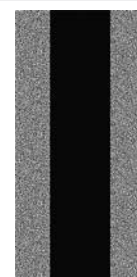
	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE
	ETRTO			bar	psi	
28"		25-622 • 700x25c	340	7/9	100/130	334.425.5
		20-622 • 700x20c	280	7/10	100/145	334.420.1
		23-622 • 700x23c	310	7/10	100/145	334.423.1
		25-622 • 700x25c	340	7/10	100/145	334.425.1
26"		23-571 • 650x23c	290	7/10	100/145	334.426.1

### RUBINO SLICK



All new Rubino features available with a slick tread pattern!

- Nylon 60 TPI casing, synonymous 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.



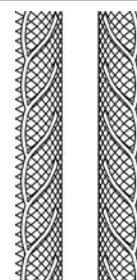
	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
	ETRTO			bar	psi					
28"		23-622 • 700x23c	305	7/10	100/145	334.962.3				

### RUBINO TECH



A reinforced training tyre loaded with technology:

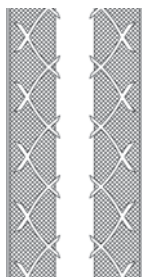
- Mithril sidewall protection against sharp debris found on roads in wet conditions;
- Nylon 60 TPI casing, synonymous of good performance;
- new Kevlar® Endura 3D Compound, with high duration and exciting road-behaviour;
- PRB puncture protection;
- updated tread pattern, with Dot C.O.M. Vector Design;
- grommet rigid bead (4 wires), for an easier fitting.



	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
	ETRTO			bar	psi					
28"		23-622 • 700x23c	310	7/10	100/145	334.132.3				
27"		32-630 • 27"x1 1/4	450	7/10	100/145	334.123.7 *				

\* US only

### 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.



	SIZE AND COLOURS ETRTO	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
			bar	psi					
28"	20-622 • 700x20c	210	7/10	100/145	353.320.1				
	23-622 • 700x23c	240	7/10	100/145	353.323.1				
	23-622 • 700x23c	240	7/10	100/145	353.323.4				
	23-622 • 700x23c	240	7/10	100/145	353.323.3				
	23-622 • 700x23c	240	7/10	100/145	353.323.2				

### ZAFFIRO PRO SLICK



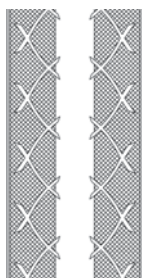
The new industry standard!

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.



	SIZE AND COLOURS ETRTO	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
			bar	psi					
28"	23-622 • 700x23c	250	7/10	100/145	354.323.1				
	25-622 • 700x25c	260	7/10	100/145	354.325.1				

### 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 against cuts and abrasions.

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



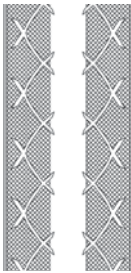
	SIZE AND COLOURS ETRTO	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
			bar	psi					
28"	23-622 • 700x23c	290	7/10	100/145	353.623.1				

26 TPI  
ROAD tyres



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**.



	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
	ETRTO			bar	psi					
28"		20-622 • 700x20c	330	7/9	100/130	353.020.1				
		23-622 • 700x23c	340	7/9	100/130	353.023.1				
		25-622 • 700x25c	350	7/9	100/130	353.025.1				
		28-622 • 700x28c	400	5/8	70/115	353.028.1				
		23-622 • 700x23c	340	7/9	100/130	353.023.4				
		23-622 • 700x23c	340	7/10	100/130	353.023.2				
		23-622 • 700x23c	340	7/10	100/130	353.023.3				

	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE
	ETRTO			bar	psi	
27"		32-630 • 27"x1 1/4	480	7/9	100/130	352.033.2 *
		28-630 • 27"x1 1/8	420	7/9	100/130	352.032.8 *

\* US only



ZAFFIRO SLICK

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

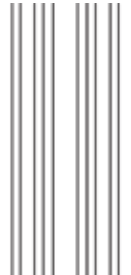


	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
	ETRTO			bar	psi					
28"		23-622 • 700x23c	350	7/9	100/130	354.023.1				
		25-622 • 700x25c	360	7/9	100/130	354.025.1				



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.

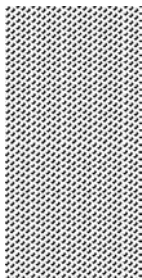


	SIZE AND COLOURS		WEIGHT g	PRESSURE		CODE	CASING
	ETRTO			bar	psi		
28"		23-622 • 700x20c	270	7/10	100/145	353.323.2	

red casing



### 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 **CorespunT casing (specific for track applications)** and the **Kevlar® SiO<sub>2</sub> 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!

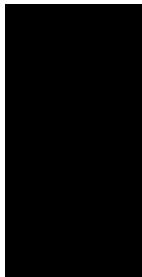
Vittoria high quality and reliability result in a tubular **born to win.**



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	VALVE
		bar	psi				
28" 	28" - 23	170	10/15 145/215	183.123.8			36 mm RVC
	28" - 22	160	10/15 145/215	183.122.8			
	28" - 19	140	10/15 145/215	183.119.8			

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!

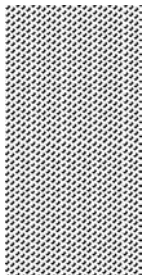


SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	VALVE
		bar	psi				
28" 	28" - 22	150	10/15 145/215	183.322.8			36 mm RVC
	28" - 19	135	10/15 145/215	183.319.8			

white para casing

## 220 TPI



### PISTA CS



**Excellent for track training**, the Pista CS is **long lasting** with excellent behaviour:

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



SIZE AND COLOURS	WEIGHT g	PRESSURE		CODE	CASING	COMPOUND	VALVE
		bar	psi				
28" 	28" - 22	270	8/12 115/170	162.185.1			51 mm RVC

# 290 TPI

## CROSS tubolars

### CROSS EVO XG



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 K 290 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.



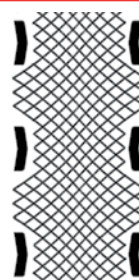
	SIZE AND COLOURS		WEIGHT	PRESSURE		CODE	CASING	COMPOUND	PROTECTION	VALVE
			g	bar	psi					
28"		28" - 32	400	2,5/6	35/90	140.632.0	<i>Corespun K 290TPI</i>	<b>KEVLAR® SiO<sub>2</sub></b> 3D COMPOUND	<b>PRB®</b>	42 mm RVC
		28" - 34	420	2,5/6	35/90	140.634.0				

### CROSS EVO XN



**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.

- 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;
- tubular structure with hybrid *Corespun K 290 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.



	SIZE AND COLOURS		WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION	VALVE
			g	bar	psi						
28"		28" - 32	380	2,5/6	35/90	141.632.0	<i>Corespun K 290TPI</i>	<b>KEVLAR® SiO<sub>2</sub></b> 3D COMPOUND		<b>PRB®</b>	42 mm RVC



### CROSS EVO XM

The new 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 tire, two characteristics demanded by Cyclocross racing.



	SIZE AND COLOURS		WEIGHT	PRESSURE		CODE	CASING	COMPOUND	PROTECTION	VALVE
			g	bar	psi					
28"		28" - 32	400	2,5/6	35/90	142.532.0	<i>Corespun K 290TPI</i>	<b>KEVLAR® SiO<sub>2</sub></b> 3D COMPOUND	<b>PRB® 2.0</b>	42 mm RVC

### CROSS XG PRO



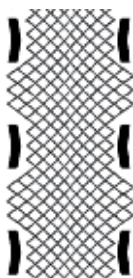
This design, specifically made for cyclocross, is ideal for all trails where traction and control are vital, on dirt or mud.

The cleverly spaced knobs make for a **self cleaning tyre**, with low rolling resistance. Unlike the tubular version, the tyre has *Nylon 120 TPI* casing and a foldable bead for top performance and light weight. *PRB* puncture resistant belting.



SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	PROTECTION
		g	bar	psi			
28"  ETRTO							
 32-622 • 700x32c	350	4/6	60/90	340.332.0			
 34-622 • 700x34c	380	4/6	60/90	340.334.0			

### 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 120 TPI casing and foldable bead, for high performance and light weight;
- PRB puncture resistant belting.



SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	TREAD	PROTECTION
		g	bar	psi				
28"  ETRTO								
 32-622 • 700x32c	330	4/6	60/90	341.332.1				

### CROSS XM PRO








The new mud/loose condition offering from Vittoria.

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

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



SIZE AND COLOURS	WEIGHT	PRESSURE		CODE	CASING	COMPOUND	PROTECTION
		g	bar	psi			
28"  ETRTO							
 32-622 • 700x32c	350	4/6	60/90	342.332.0			



**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 320TPI****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.

Corsa EVO CX  
Open Corsa EVO CX

**CORESPUN 290 TPI****Corespun T 290TPI****Corespun T 290 TPI:**

Made from a smaller diameter polycotton thread than the standard *Corespun 290 TPI* and latex, designed for use in track racing and time trials where the combination of high inflation pressure and low weight is essential.

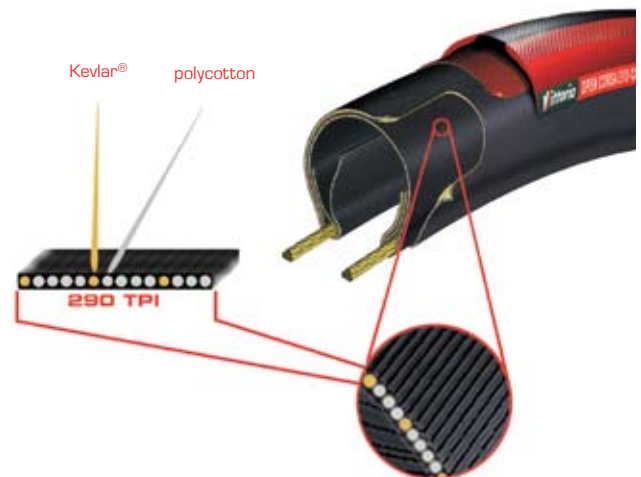
Crono EVO CS  
Triathlon EVO CS  
Pista EVO CS/CL

**Corespun K 290TPI****Corespun K 290 TPI:**

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

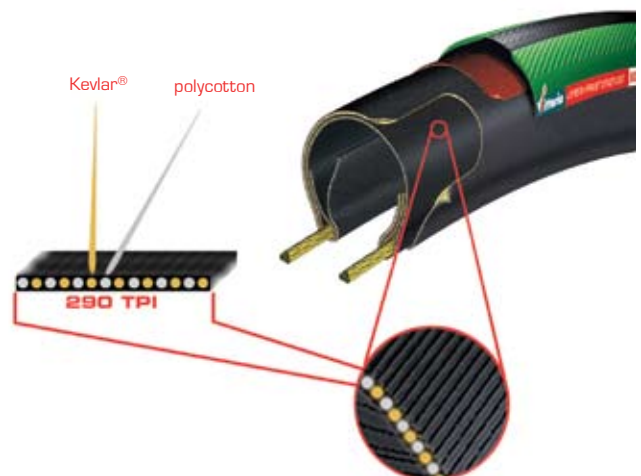
Corespun casings have a 290 TPI rating (meaning over 1.100 threads per decimetre!) and guarantee excellent riding comfort even at high inflation pressures.

Corsa EVO KS/KX  
Revo.KXS  
Open Corsa EVO KS/KX  
Cross EVO XG/XN/XM

**Corespun K² 290TPI****Corespun K² 290 TPI:**

It's the strongest high performance casing available on the market, made with 50% Kevlar® threads and 50% polycotton threads, and it's intended for difficult road conditions. The cut and puncture resistance makes it perfect for Northern Europe classics like Paris-Roubaix.

Pavé EVO CG  
Open Pavé EVO CG

**COTTON 220 TPI****Cotton 220 TPI****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.

Corsa CR  
Rally  
Juniors  
Pista CS

## NYLON 220 TPI



### **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.

Diamante Pro/Pro Tech/Pro Light

## NYLON 120 TPI



The casing is manufactured with a combination of 120 TPI casing cord and Vittoria proven Puncture Resistant Belting (PRB), resulting in a fast, supple ride at great value.

Rubino Pro/Pro Slick/Pro Tech  
Cross XG PRO/XN PRO/XM PRO  
Rubino Pro Tubular

## NYLON 60 TPI



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.

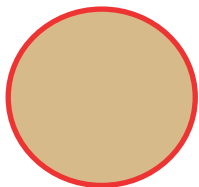
Zaffiro Pro/Pro Slick/Pro Tech  
Rubino  
Rubino Slick/Tech

## NYLON 26 TPI



Vittoria *Nylon 26 TPI* 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



**320 TPI**



**290 TPI**



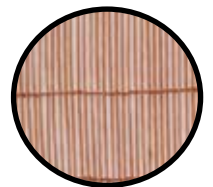
**220 TPI**



**120 TPI**

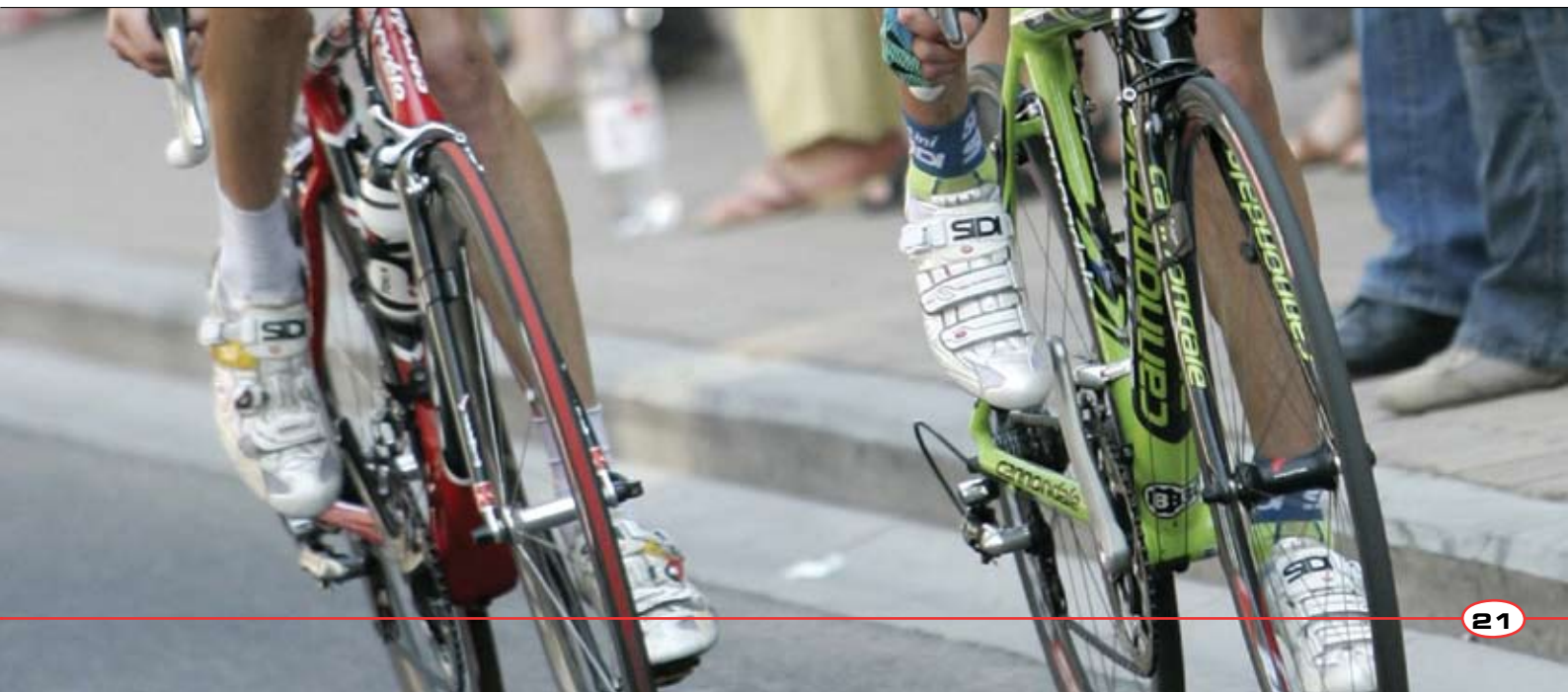


**60 TPI**



**26 TPI**

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



Vittoria road racing tyres have built their reputation based on their exclusive casings and tread compounds, but strength 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 exclusive); 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 Aramid 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 its 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.

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



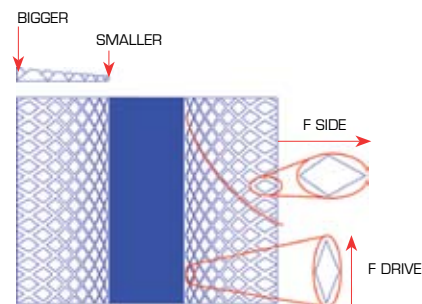
This is an evolution of the *Dot C.O.M. Design* concept, implying a more complex use and application of the "diamonds" onto our treads, according to a larger number of parameters:

- **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:** engineered 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.



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<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<sub>2</sub> 3D* is the new reference standard for high performance tyre compounds.

## AQUAGRIP



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

## KEVLAR® CARBON



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

## KEVLAR® ENDURA



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

*Kevlar® Endura* ensures:

- 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® 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














Training tyres are never durable enough. For this reason we upgraded our *Aramid Compound* to increase its wear resistance, maintaining the safe and inspiring road-behaviour our tyres are famous for.

		wear resistance	grip (dry)	grip (wet)	rolling resist. reduction
<b>Kevlar® SiO<sub>2</sub></b>		* * *	* * * *	* * * * *	* * * * *
<b>Kevlar® Carbon</b>		* * * *	* * * *	* * * *	* * * *
<b>Kevlar® Endura</b>		* * * * *	* * * *	* * *	* * * *
<b>Kevlar®</b>		* * *	* * * *	* * *	* * *
<b>Aquagrip</b>		* *	* * * *	* * * * * *	* * * *
<b>Aramid Endura</b>		* * * * * *	* * * *	* * *	* * *




ROAD RACING

TECHNOLOGIES CHART









TUBULARS	CASING			TREAD		PROTECTION	VALVE
road	TPI	technology	materials	compound	technology	puncture	mm
Corsa EVO CX 	320	Corespun 320 TPI	Polycotton	Kevlar®SiO2	Twin Tread	PRB 2.0	42 full RVC
Corsa EVO KS	290	Corespun K 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2	Twin Tread	PRB	42 RVC
Corsa EVO KX	290	Corespun K 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2	Twin Tread	PRB	42 RVC
Pavé EVO CG	290	Corespun K2 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2	Twin Tread	PRB	51 RVC
Triathlon Evo CS	290	Corespun T 290 TPI	Polycotton	Kevlar®SiO2		PRB	36 RVC
Crono Evo CS	290	Corespun T 290 TPI	Polycotton	Kevlar®SiO2		PRB	36 RVC
Corsa CR	220	Cotton 220 TPI	Cotton	Kevlar®	Twin Tread	PRB	51 RVC
Rally	220	Cotton 220 TPI	Cotton	Kevlar®	Twin Tread		36
Juniores	220	Cotton 220 TPI	Cotton	Kevlar®	Twin Tread		36
Rubino Pro Tubular 	120	Nylon 120 TPI	Nylon	Aramid Endura	Twin Tread Dot C.O.M. Vector	PRB	36
track							
Pista Evo CS	290	Corespun T 290 TPI	Polycotton	Kevlar®SiO2			36 RVC
Pista Evo CL	290	Corespun T 290 TPI	Polycotton	Kevlar®SiO2			36 RVC
Pista CS	220	Cotton 220 TPI	Cotton	Kevlar®			51 RVC
cross							
Cross EVO XG	290	Corespun K 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2		PRB	42 RVC
Cross EVO XN	290	Corespun K 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2	Dot C.O.M. Vector	PRB	42 RVC
Cross EVO XM 	320	Corespun 320 TPI	Kevlar®, Polycotton	Kevlar®SiO2		PRB 2.0	42 RVC
TYRES	CASING			TREAD		PROTECTION	
road	TPI	technology	materials	compound	technology	puncture	cut
Revo.KXS	290	Corespun K 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2, Aquagrip	Twin Tread	2xPRB	
Open Corsa EVO CX 	320	Corespun 320 TPI	Polycotton	Kevlar®SiO2	Twin Tread	PRB 2.0	
Open Corsa EVO KS	290	Corespun K 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2	Twin Tread	PRB	
Open Corsa EVO KX	290	Corespun K 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2	Twin Tread	PRB	
Open Pavé EVO CG	290	Corespun K2 290 TPI	Kevlar®, Polycotton	Kevlar®SiO2	Twin Tread	PRB	
Diamante Pro	220	Nylon Plus 220 TPI	Nylon	Kevlar®SiO2	Twin Tread 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	Acquagrip 3D	Twin Tread Prisma C.O.M.Vector	PRB 2.0	Mithril
Rubino Pro	120	Nylon 120 TPI	Nylon	Kevlar® Endura	Twin Tread Dot C.O.M. Vector	PRB	
Rubino Pro Slick	120	Nylon 120 TPI	Nylon	Kevlar® Endura	Twin Tread	PRB	
Rubino Pro Tech	120	Nylon 120 TPI	Nylon	Kevlar® Endura	Twin Tread Dot C.O.M. Vector	PRB	Mithril
Rubino*	60	Nylon 60 TPI	Nylon	Kevlar® Endura	Twin Tread Dot C.O.M. Vector	PRB	
Rubino Slick*	60	Nylon 60 TPI	Nylon	Kevlar® Endura	Twin Tread	PRB	
Rubino Tech*	60	Nylon 60 TPI	Nylon	Kevlar® Endura	Twin Tread Dot 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	Acquagrip 3D	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	120	Nylon 120 TPI	Nylon	Kevlar®SiO2		PRB	
Cross XN Pro	120	Nylon 120 TPI	Nylon	Kevlar®SiO2	Dot C.O.M. Vector	PRB	
Cross XM Pro 	120	Nylon 120 TPI	Nylon	Kevlar®SiO2		PRB	

\* rigid bead

## WEIGHT AND SIZE CHART

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"27	28"32	28"34	page
Corsa EVO CX 	320				205 g				245 g		250 g					05
Corsa EVO KS	290								270 g							05
Corsa EVO KX	290								270 g							05
Pavé EVO CG	290											280 g	330 g			06
Triathlon Evo CS	290								190 g							06
Crono Evo CS	290							170 g								06
Corsa CR	220									285 g						07
Rally	220								300 g		310 g					07
Juniores	220	220 g	240 g	260 g		290 g										07
Rubino Pro Tubular 	120										290 g					07
track																
Pista Evo CS	290						140 g			160 g	170 g					17
Pista Evo CL	290						135 g			150 g						17
Pista CS	220									270 g						17
cross																
Cross EVO XG	290													400 g	420 g	18
Cross EVO XN	290													380 g		18
Cross EVO XM 	290													400 g		18

\* rigid bead

TYRES																
road	TPI	40559 26x1.50	20571 650x20c	23571 650x23c	20622 700x20c	23622 700x23c	24622 700x24c	25622 700x25c	28622 700x28c	32622 700x32c	34622 700x34c	32630 27"x1 1/4	28630 27"x1 1/8			page
Revo.KXS	290					275 g										09
Open Corsa EVO CX 	320				195 g	210 g		220 g								10
Open Corsa EVO KS	290				210 g	230 g										10
Open Corsa EVO KX	290				210 g	230 g										11
Open Pavé EVO CG	290						250 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	120			210 g	210 g	230 g		240 g	250 g							13
Rubino Pro Slick	120	390 g				220 g		230 g								13
Rubino Pro Tech	120					240 g		260 g	280 g							13
Rubino*	60			290 g	280 g	310 g		340 g								14
Rubino Slick*	60					305 g										14
Rubino Tech*	60					310 g						450 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					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	120									350 g	380 g					19
Cross XN Pro	120									330 g						19
Cross XM Pro 	120									350 g						19

\* rigid bead



PUNCTURE PROTECTION

Triple Shielding



RANDONNEUR HYPER\*

Double Shielding



RANDONNEUR PRO\*



RANDONNEUR CROSS PRO\*



RANDONNEUR



RANDONNEUR CROSS

Ultra Shielding



RANDONNEUR TRAIL



RANDONNEUR TOURING



RANDONNEUR COMFORT



ADVENTURE CROSS

Rubber Shielding



ADVENTURE TRAIL



ADVENTURE TOURING



ADVENTURE COMFORT



ADVENTURE

\*foldable bead



## RANDONNEUR HYPER



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 tire range in the industry.



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	CASING	COMPOUND	TREAD
	ETRTO	g	bar	psi					
28"	32-622 • 700x32c reflective	350	4/5	60/70	322.032.1				
	37-622 • 700x35c reflective	390	4/5	60/70	322.037.1				
	40-622 • 700x38c reflective	440	3/6,5	45/95	322.040.1				

## CITY TREKKING

## double shielding

## 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.



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	CASING	COMPOUND	TREAD
	ETRTO	g	bar	psi					
28"	37-622 • 700x35c reflective	460	4/5	60/70	323.001.1				
	32-622 • 700x32c reflective	420	4/5	60/70	323.001.2				
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.**



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	CASING	COMPOUND	TREAD
	ETRTO	g	bar	psi					
28"	37-622 • 700x35c reflective	450	4/5	60/70	324.015.1				
	32-622 • 700x32c reflective	430	4/5	60/70	324.015.2				

## tech

## CASING: NYLON 120 TPI



The experience gained in years of professional road racing couldn't be left aside when developing 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.










## RANDONNEUR

**Speed and safety on city roads** in all conditions.

Thanks to its *Aquaflow* tread pattern, Randonneur is at home on the road even in the rain.

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



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
	ETRTO	g	bar	psi				
28"	28-622 • 700x28c	490	4/6	60/90	323.003.2			
	28-622 • 700x28c reflective	490	4/6	60/90	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	60/75	323.005.2			
	37-622 • 700x35c reflective	640	4/5,5	60/75	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	60/65	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 riflettente	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**.

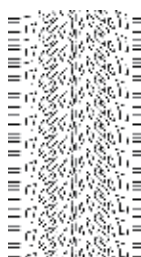
Randonneur Cross features *Aramid 3D Compound* for optimal durability and grip, *Double Shielding* puncture protection and (optional) reflective bands.



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
	ETRTO	g	bar	psi				
28"	28-622 • 700x28c	520	4/6	60/85	324.022.8			
	28-622 • 700x28c reflective	520	4/6	60/85	324.032.8			
	32-622 • 700x32c	580	4/5,5	60/75	324.023.2			
	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			



### 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.

*Aramid 3D Compound, Ultra Shielding* made the Randonneur Trail a great tyre for every ground and weather.



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
			ETRTO	g	bar	psi		
28"	37-622 • 700x35c reflective	720	4/6	60/90	325.037.1			
	40-622 • 700x38c reflective	780	4/6	60/90	325.040.1			
26"	47-559 • 26x1,75 reflective	720	2,5/4,5	35/65	325.047.1			



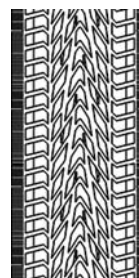
### RANDONNEUR TOURING



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	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
	ETRTO	g	bar	psi				
28"	37-622 • 700x35c	790	4/5	60/70	324.103.7			
	37-622 • 700x35c reflective	790	4/5	60/70	324.113.7			
	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	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
	ETRTO	g	bar	psi				
28"	37-622 • 700x35c	810	4/5	60/70	330.503.7			
	37-622 • 700x35c reflective	810	4/5	60/70	330.513.7			
	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



This aggressive design provides the right bite on and off road.

- *Ultra Shielding*, easily one of the best puncture protections on the market;
- *Microcarbon* compound with high wear resistance.

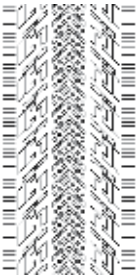
Also available (optional) with reflective tape.



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
	ETRTO	g	bar	psi				
28"	37-622 • 700x35c	810	4/5	60/70	330.923.7			
	37-622 • 700x35c reflective	810	4/5	60/70	330.933.7			
	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			



### 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	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
	ETRTO	g	bar	psi				
28"	37-622 • 700x35c riflettente	760	4/6	60/90	331.037.1			
	40-622 • 700x38c riflettente	790	4/6	60/90	331.040.1			
26"	47-559 • 26x1,75 riflettente	700	2,5/4,5	35/65	331.047.1			





### ADVENTURE TOURING






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

- *Rubber Shielding* puncture protection, famous for its strength;
- *Microcarbon* compound with high cut resistance;

Also available (optional) with reflective bands.



	SIZE	WEIGHT	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
			bar	psi				
ETRTO	g	bar	psi					
28"	32-622 • 700x32c reflective	660	4/6	60/70	330.032.1			
	37-622 • 700x35c	710	4/5	60/70	330.823.7			
	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	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
			bar	psi				
ETRTO	g	bar	psi					
28"	37-622 • 700x35c	710	4/5	60/70	330.723.7			
	37-622 • 700x35c reflective	710	4/5	60/70	330.733.7			
	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	PRESSURE		CODE	PROTECTION	COMPOUND	TREAD
			bar	psi				
ETRTO	g	bar	psi					
28"	37-622 • 700x35c reflective	690	4/5	60/70	321.037.1			
	40-622 • 700x38c reflective	720	3,5/4,5	50/65	321.040.1			

## 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 its incredibly light weight and superior flexibility that are only found in Vittoria's proprietary casings.

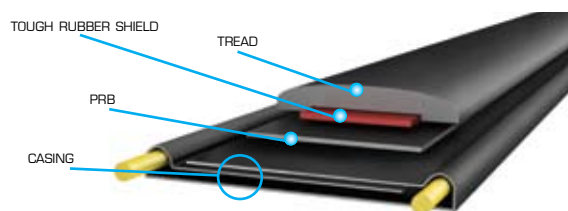
## DOUBLE SHIELDING



This is an advanced system projected to enhance puncture resistance in our tyres. It is made of 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
<b>Triple Shielding</b>		*****	*****	PRB 2.0
<b>Double Shielding</b>		*****	*****	tough rubber layer + double PRB
<b>Ultra Shielding</b>		*****	**	tough rubber layer; high thickness
<b>Rubber Shielding</b>		***	***	tough rubber layer

## 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® SiO<sub>2</sub>

*Kevlar® SiO<sub>2</sub>* 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<sub>2</sub> 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 aramid 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.

		wear resistance	grip (dry)	grip (wet)	rolling resist. reduction
<b>Kevlar® SiO<sub>2</sub> 3D Compound</b>		*****	*****	*****	*****
<b>Aramid</b>		*****	*****	*****	*****
<b>Microcarbon</b>		*****	*****	*****	*****

		40-406 20x1.50	40-559 26x1,50	44-559 26x1,75	47-559 26x1,75	37-590 650x35a	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*								350 g	390 g	440 g				27
Randonneur Pro*			510 g					420 g	460 g					27
Randonneur Cross Pro*								430 g	450 g					27
Randonneur		520 g	720 g			620 g	490 g	580 g	640 g		780 g	780 g	880 g	28
Randonneur Cross				590 g			520 g	580 g	600 g	650 g				28
Randonneur Trail					720 g				720 g	780 g				29
Randonneur Touring									790 g	870 g				30
Randonneur Comfort									810 g	890 g				30
Adventure Cross									710 g	740 g				30
Adventure Trail					700 g				760 g	790 g				31
Adventure Touring								660 g	710 g	760 g				32
Adventure Comfort					700 g				710 g	740 g		780 g		32
Adventure									690 g	720 g				32

colours: black casing, black tread

\* foldable tyres







PRESTA VALVE  
51 mm RVC\*



PRESTA VALVE  
42 mm

### road - race

		SIZE		WEIGHT	PRESTA VALVE	
		ETRTO			h = 51 mm*	h = 42 mm
28"	EVO55 19/23 • box	19/23 • 622/630	700x19/23	55	242.101.1	242.111.0
	Ultralite 28" 19/23 • box	19/23 • 622/630	700x19/23	95	242.101.4	242.101.0
	Ultralite 28" 19/23 • bulk	19/23 • 622/630	700x19/23	95		242.101.6
26"	Ultralite 26" 19/23 • box	19/23 • 571	650x19/23	75	242.102.4	242.102.1

(\*) RVC = these inner tubes have a replaceable valve core.

### city trekking

		SIZE		WEIGHT	PRESTA VALVE
		ETRTO			
28"	Ultralite 25/28 • box	25/28 • 622/630	700x25/28	85	242.102.0
	Ultralite 25/28 • bulk	25/28 • 622/630	700x25/28	85	242.102.6
	Ultralite 30/38 • box	30/38 • 622/630	700x30/38	130	242.103.0
	Ultralite 30/38 • bulk	30/38 • 622/630	700x30/38	130	242.103.6
	Ultralite 41/47 • box	41/47 • 622/630	700x41/47	150	242.104.0
	Ultralite 41/47 • bulk	41/47 • 622/630	700x41/47	150	242.104.6



<div>1</div> <div>PIT STOP ROAD RACING</div> <div><p>The first inflate and repair cartridge ideal for both tubulars and tyres!</p><p>- 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;</p><p>- permanently repairs punctures in tubulars/tyres thanks to the special pure latex foam contained in the mixture</p><p>- offers 3 months of prevention.</p><p>- universal head: excellent for Presta, Schrader</p><p>cod. ACCPTSTPR</p></div>	<div>2</div> <div>PIT STOP ROAD RACING KIT</div> <div><p>Kit with one Pit Stop Road Racing and a clip to fix it to the seatpost.</p><p>cod. ACCPTSTPRK</p></div>	<div>3</div> <div>KIT AIR.V</div> <div><p><b>KIT AIR V:</b></p><p>Kit with one Pit Stop Road Racing and a clip to fix it to the seatpost.</p><p>cod. 542.244.0</p></div>	<div>4</div> <div>MASTIK'ONE PROFESSIONAL</div> <div><p>Kit with one Pit Stop Road Racing and a clip to fix it to the seatpost.</p><p>12 tubes box gr: 30 cod. 512.109.0</p><p>gr: 250 tin cod. 512.125.0</p></div>
	<div>5</div> <div>PURA PARA SOLUTION</div> <div><p>Solution for inner tubes repairing.</p><p>12 tubes box gr: 30 cod. 532.006.0</p></div>	<div>6</div> <div>VALVE EXTENSION</div> <div><p>CO<sub>2</sub> inflating tyres cartridges.</p><p>20 pcs. box gr: 12 for tubulars and racing tyres cod. 542.242.0</p><p>15 pcs. box gr: 16 for tubulars, racing tyres and MTB cod. 542.243.0</p></div>	<div>7</div> <div>VALVE EXTENSION</div> <div><p>42 mm steel valve extension for Presta removable valve core valves. For special wheels.</p><p>2 pcs. blister with spanner cod. 590.048.1</p></div>
<div>7</div> <div>VITTORIA SOCKS</div> <div><p>Made of polyester-polyamide-lycra. Great comfort and durability.</p><p>Size M-L cod. 550.001.0</p><p>Size XL-XXL cod. 550.002.0</p></div>	<div>8</div> <div>SPECIAL RIM TAPE</div> <div><p>Special tape for inner tube protection.</p><p>for 28" racing tyres 15-622 pack 2 pcs. cod. 542.220.2</p><p>for 28" racing tyres 18-622 pack 2 pcs cod. 542.222.1</p><p>for 26" racing tyres 18-571 pack 2 pcs. cod. 542.200.2</p><p>for 28" racing tyres 15-622 pack 25 pcs. cod. 542.220.0</p><p>for 28" racing tyres 18-622 pack 25 pcs. cod. 542.220.1</p><p>for 26" racing tyres 18-571 pack 25 pcs. cod. 542.200.0</p></div>	<div>9</div> <div>SUPER COTTON RIM TAPE</div> <div><p>Adhesive cotton nipple protection tape for inner tubes. 16 mm wide.</p><p>12 rolls box m 2 cod. ACCCTTP16</p></div>	<div>10</div> <div>VALVE EXTENSION</div> <div><p>62 mm aluminum valve extension for Presta removable valve core valves. For special wheels.</p><p>2 pcs. blister with spanner cod. 590.048.2</p></div>
<div>11</div> <div>VALVE CORES</div> <div><p>Presta valve cores.</p><p>10 pcs. blister with spanner cod. 542.230.0</p></div>	<div>12</div> <div>TYRE REMOVE LEVER</div> <div><p>Min. pack = 10 set</p><p>3 lever set cod: 542.222.0</p></div>		





The world of cycling is constantly and rapidly changing. The number of cycling enthusiasts is growing in all areas: competition, amateur cycling and practical, ecological daily commuting. After 50 years of activity (1953 – 2003), Vittoria is combining the best Italian creativity with the tremendous technological potential of Lion Tyres to evolve still further as the driving force behind change in the cycling world.



**Vittoria**  
VITTORIA GROUP



**Vittoria Industries  
North America**  
USA

*Distribution for  
USA.*



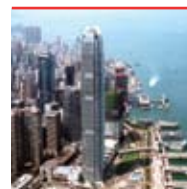
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