Viatti brand history

Viatti brand tires are produced in Russia by order of OOO Viatti Tyres Rus. The founders of the Company are foreign investors from Germany and Italy, highly experienced in tire manufacturing in their home countries.

Tire production launched at the production facilities of OAO Nizhnekamskshina on an offtake system basis. OOO Trading House "Kama" is the general distributor. The reasons for choosing the Nizhnekamsk production site:

1. The presence of a large parent company - one of the largest Russian oil companies OAO TATNEFT;
2. Advanced production equipment allowing to produce tires of required quality and quantity;
3. OAO TATNEFT Tire Complex tire production experience on an offtake system basis for foreign partners;
4. OOO Trading House "Kama" complete commodity distribution network covering all constituent entities of the Russian Federation and 46 countries of the world;
5. OAO Nizhnekamskshina's experience of cooperation with the largest automotive manufacturing plants in the Russian Federation - AVTOVAZ, GM, VW-Skoda, Ford, Renault-Nissan, FIAT.
6. Availability of own certified laboratory and scientific and technical center.

Winter (studded)	Winter (non-studded)
Brina Nordico (V-522) 31 standard sizes	Brina (V-521) 31 standard sizes
Bosco Nordico (V-523) 20 standard sizes	Bosco S/T (V-526) 20 standard sizes
Vettore Inverno (V-524) 11 standard sizes	Vettore Brina (V-525) 13 standard sizes

- ✓ A joint product of German engineers, Italian designers and Russian manufacturers.
- ✓ A combination of the latest developments in nanotechnology and computer modeling.
- ✓ Adaptation to Russian roads and local climate, despite European origin
- ✓ Manufactured from high quality materials on the state of the art robotized equipment.

Main competitors

HANKOOK driving emotion

KUMHO TYRES

Matador

nokian NORDMAN

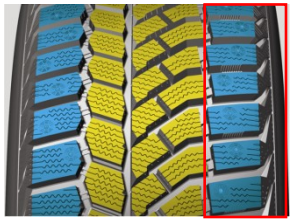
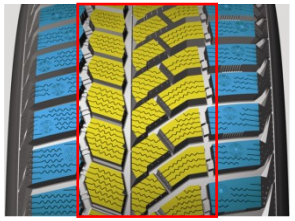
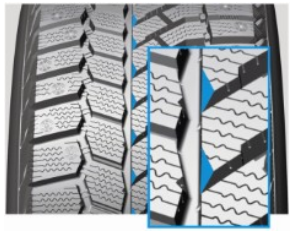
YOKOHAMA

The range of non-studded tires with an asymmetric non-directional tread pattern designed for use in winter conditions

Main feature	Feature description	Presenting features	The result obtained
 	1) Advanced profile; 2) Three circumferential grooves; 3) Number and shape of tread blocks; 4) Optimum groove angles; 5) Asymmetric tread pattern.	1) Provides optimum contact pressure distribution and road contact of tire; 2) Specific shape; 3) Increased number of tread blocks; 4) Optimum slope angles of the lateral and longitudinal grooves relative to the driving direction. 5) Different concentration of tread elements in the inside and outside.	1) Excellent traction in icy conditions; 2) Low noise level; 3) Increased wear resistance and reduced noise levels, additional grip edges. 4) Intensive snow and slush removal out of the contact patch, increased road-holding ability. 5) Improved sludge removal out of the contact patch, high cleanability and braking performance.
	VRF technology (Variable rigidity of a framework)	Variable sidewall stiffness - changes with speed - adapts to the road surface.	▪ Higher speed cornering; ▪ Cushioning impacts caused by potholes and asphalt joints.
	20% higher content in rubber compound than in studded tires	Retention of grip properties at below-freezing temperature.	▪ Acceleration and deceleration performance comparable to studded tires

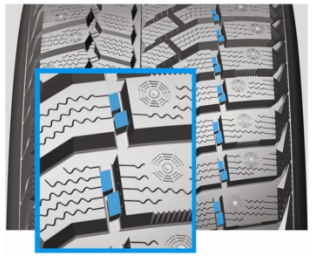
- Best running performance on ice and snow covered roads
- High braking performance on ice at temperatures below 15°C
- Acoustic comfort
- Preservation of road surface
- Reduced tire weight, fuel economy

The range of winter studded tires with an asymmetric tread pattern.

Main feature	Feature description	Presenting features	The result obtained
	Tread made of two rubber compounds	Harder edges (BIP ™ rubber compound)	▪ Secure fixing and retention of studs; ▪ The required stiffness of the shoulder area elements, resulting in confident overcoming of snow drifts.
	Tread made of two rubber compounds	Soft in the center (LIPA ™ rubber compound)	▪ Optimum traction and braking performance transmission under conditions when the studs become ineffective (clean/wet asphalt, ice surface at ambient temperatures below 15°C); ▪ Improved acoustic comfort; ▪ Preservation of road surface.
	Bevel edges	Bevel edges of the central blocks provide for additional edges of the tread pattern.	▪ Increased grip on snow and ice, reduced noise level.

Tire operating temperature range is from minus 45°C to plus 10°C

High performance on any winter surface and ambient temperature

Main feature	Feature description	Presenting features	The result obtained
	Stops	Along the bottom of the grooves between the central and lateral tread pattern area, there are special elements – stops, that do not allow the tread blocks to close when entering the contact patch.	Improved grip in straight line driving as well as when cornering and maneuvering.
	Sipes density and geometry	1) Densely spaced sipes (1900-2000 around the tire circumference); 2) The sipes are located at an angle of 0-30 degrees in relation to the driving direction.	1) Optimum traction properties on winter road surfaces; 2) Stable manoeuvring behaviour of the vehicle.
	Row of studding	11 to 15 row of studding of Brina Nordico tire range, depending on the size. Through the use of a soft rubber compound in the central part of the tread, it was possible to reduce the number of studs by 30%.	High braking performance, reduced tire weight.
	Aluminum stud	Since 1 January 2016, all passenger tires are studded with a new stud.	Reduced tire weight, fuel economy

5 advantages of **Viatti Bosco Nordico**

- ✓ Cross-country performance
- ✓ Slushplaning resistance
- ✓ Reliability
- ✓ Perfect traction
- ✓ Smooth passing of surface irregularities

The range of studded tires specially designed for the growing segment of sports and crossover utility vehicles.

Main feature	Feature description	Presenting features	The result obtained
	Variable sidewall stiffness	Variable sidewall stiffness– changes with speed - adapts to the road surface.	▪ Higher speed cornering; ▪ Cushioning impacts caused by potholes and asphalt joints.
	Hydro Safe V technology	Wide longitudinal grooves crossed by lateral grooves.	▪ Improved slushplaning resistance; ▪ Quick sludge removal out of the contact patch.
	HighStab technology	1) Tread pattern with a rigid center rib and reinforced longitudinal rows of blocks; 2) Special cuts made in the shoulder blocks developed using SnowDrive technology.	1) High stability during straight line driving and high-speed active maneuvering; 2) High mobility in deep snow conditions.
	Aluminum stud	Since 1 January 2016, all passenger tires are studded with a new stud.	Reduced tire weight, fuel economy

The combination of comfort and silent running with the ability to withstand heavy loads

High performance on any winter surface and ambient temperature

✓ **VRF technology** – adaptation to road irregularities, high-speed cornering comfort.

✓ **Hydro Safe V technology** – effective liquid and slush removal out of the contact patch, slushplaning resistance.

✓ **SnowDrive technology** – high mobility in deep snow conditions.

Viatti winter tires for light commercial vehicles.

Main feature	Feature description	Presenting features	The result obtained
	VRF technology (Variable rigidity of a framework)	Variable sidewall stiffness– changes with speed - adapts to the road surface.	▪ Higher speed cornering; ▪ Cushioning impacts caused by potholes and asphalt joints
	Hydro Safe S technology	Four wide longitudinal tread grooves of non-uniform geometry and sharp-facet central blocks	▪ Efficient slush cut and sludge removal out of the contact patch
	A large number of sipes	Sipes densely spaced along Vettore Inverno tread width	▪ Improved ice grip; ▪ Improved longitudinal grip

Vettore Inverno
V-524 (studded)

Vettore Brina
V-525 (non-studded)

- Excellent handling on any winter surface
- Low noise level
- High wear resistance
- Excellent fuel efficiency

Brina

175/70R13	82 T
175/65R14	82 T
175/70R14	84 T
185/60R14	82 T
185/65R14	86 T
185/70R14	88 T
185/55R15	82 T
185/60R15	84 T
185/65R15	88 T
195/50R15	82 T
195/55R15	85 T
195/60R15	88 T
195/65R15	91 T
205/65R15	94 T
205/55R16	91 T
205/60R16	96 T
205/65R16	95 T
215/55R16	93 T
215/60R16	95 T
225/55R16	95 T
225/60R16	98 T
205/50R17	89 T
215/50R17	91 T
215/55R17	94 T
225/45R17	94 Q
225/50R17	94 T
235/45R17	94 T
245/45R17	95 T
225/45R18	95 T
235/40R18	95 T
255/45R18	103 T

Brina Nordico

175/70R13	82 T
175/65R14	82 T
175/70R14	84 T
185/60R14	82 T
185/65R14	86 T
185/70R14	88 T
185/55R15	82 T
185/60R15	84 T
185/65R15	88 T
195/50R15	82 T
195/55R15	85 T
195/60R15	88 T
195/65R15	91 T
205/65R15	94 T
205/55R16	91 T
205/60R16	92 T
205/65R16	95 T
215/55R16	93 T
215/60R16	95 T
225/55R16	95 T
225/60R16	98 T
205/50R17	89 T
215/50R17	91 T
215/55R17	94 T
225/45R17	91 T
225/50R17	94 T
235/45R17	94 T
245/45R17	95 T
225/45R18	95 T
235/40R18	95 T
255/45R18	103 T

Bosco S/T

205/70R15	96 T
205/75R15	97 T
215/65R16	98 T
215/70R16	100 T
235/60R16	100 T
245/70R16	107 T
215/55R17	94 T
215/60R17	96 T
225/60R17	99 T
225/65R17	102 T
235/65R17	104 T
235/55R17	99 T
255/60R17	106 T
265/65R17	112 T
225/55R18	102 T
235/55R18	100 T
235/60R18	103 T
255/55R18	109 T
265/60R18	110 T
285/60R18	116 T

Bosco Nordico

205/70R15	96 T
205/75R15	97 T
215/65R16	98 T
215/70R16	100 T
235/60R16	100 T
245/70R16	107 T
215/55R17	94 T
215/60R17	96 T
225/60R17	99 T
225/65R17	102 T
235/55R17	99 T
235/65R17	104 T
255/60R17	106 T
265/65R17	112 T
225/55R18	102 T
235/55R18	100 T
235/60R18	103 T
255/55R18	109 T
265/60R18	110 T
285/60R18	116T

Vettore Brina (V-525)

185R14C	102/100 Q
195R14C	106/104 R
195/70R15C	104/102 R
205/70R15C	106/104 R
215/65R15C	104/102 R
225/70R15C	112/110 R
185/75R16C	104/102 R
195/75R16C	107/105 R
205/65R16C	107/106 R
205/75R16C	110/108 R
215/65R16C	109/107 R
215/75R16C	116/114 R
235/65R16C	115/113 R

Vettore Inverno (V-524)

185R14C	102/100 Q
195R14C	106/104 R
195/70R15C	104/102 R
205/70R15C	106/104 R
215/65R15C	104/102 R
225/70R15C	112/110 R
195/75R16C	107/105 R
205/65R16C	107/105 R
215/65R16C	109/107 R
215/75R16C	116/114 R
235/65R16C	115/113 R