

# MOTORCYCLE TYRE GUIDE 2024



POWER IS NOTHING WITHOUT CONTROL



# TYRE RANGE

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## TUBES

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Follow Pirelli Moto on:



### Safety Warning!

Improper use may be dangerous. Always follow tyre manufacturer's instructions. The tyres presented are for use only on vehicles for which "motorcycle tyres" were originally specified by the manufacturer. Any other use could be dangerous.

Technical details are subject to changes. Although every care has been taken with the production of this leaflet and the information herein PIRELLI accepts no liability for loss or damage resulting from errors or omissions. With this edition all previous editions become void.

RACING

NEW SIZES



DIABLO™ SUPERBIKE



DIABLO™ WET



DIABLO™ RAIN

NEW SIZES



DIABLO™ SUPERCORSA SC

NEW SIZES



PHANTOM™ SPORTSCOMP RS

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CONTEMPORARY

CLASSIC

STREET

NEW SIZES



DIABLO™ SUPERCORSA SP

DIABLO ROSSO™ IV CORSA

SUPERSPORT



DIABLO ROSSO™ IV



DIABLO ROSSO™ III



DIABLO ROSSO™ II



PHANTOM™ SPORTSCOMP



SPORT DEMON™



DIABLO ROSSO™ SPORT

SUPERSPORT



ANGEL™ GT II



ANGEL™ GT



ANGEL™ ST



ANGEL™ City

SPORT TOURING



NIGHT DRAGON™



ROUTE MT 66™



CITY DEMON™



MANDRAKE™ MT 15

CRUISER & TOURERS

URBAN

PAGE 18-31

SCOOTER

NEW SIZES



DIABLO ROSSO™ SCOOTER SC

RACING



DIABLO ROSSO™ SCOOTER

SPORT



ANGEL™ SCOOTER



SC 30™

URBAN & CLASSIC

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is a trademark and it is the distinctive sign of the tread pattern of Pirelli DIABLO ROSSO™ CORSA II tyres.



is a trademark of Pirelli Tyre S.p.A.

ON/OFF-ROAD (Adventure/Dual Purpose)

NEW PRODUCT



SCORPION™ TRAIL III

SCORPION™ TRAIL II

MT 60™ RS

MT 60™

ENDURO STREET

NEW SIZES



SCORPION™ RALLY STR

SCORPION™ MT 90 A/T

SCORPION™ RALLY

MT 21™ RALLYCROSS

PAGE 34-40

ENDURO ON/OFF

NEW SIZES

NEW SIZES

NEW SIZES



SCORPION™ MX SOFT

SCORPION™ MX32™\* MID SOFT

SCORPION™ MX32™\* MID HARD

PROFESSIONAL MOTOCROSS GP AND SUPERCROSS

OFF-ROAD



SCORPION™ MX EXTRA X

MT 16™ GARACROSS

SCORPION™ XC MID SOFT

SCORPION™ XC MID HARD

MT 43™ PRO TRIAL

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TRAINING AND VINTAGE MOTOCROSS

CROSS COUNTRY

TRIAL

ACCESSORIES



MOUSSE - GEL

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TUBES

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(\* SCORPION, MX32 are trademarks of Pirelli Tyre S.p.A.

# COMPANY PROFILE



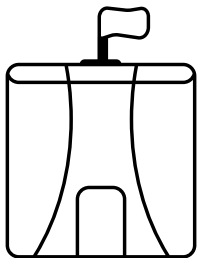
## Brand

The history of our brand brings together technology, communication and culture. Pirelli stands for technical breakthroughs which have influenced entire sectors, creating an impressive volume of intellectual property. Across many decades, our bold, sophisticated communication has stood out as being grounded-breaking well beyond the boundaries of our industry, inspiring some of the best creative minds. Our presence has marked the development of entire communities. All this means that Pirelli has been one of the dynamic catalysts for social and culture changes in several countries. Our revolutionary spirit is what prevents our organization from standing still - and what constantly propels us toward a clear vision for the future. Our Manifesto combines the clarity of strong business ambition with the confidence in our ability to extend our influence well beyond our industry.

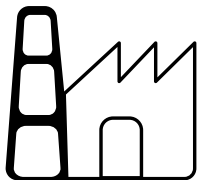
For over 150 years, Pirelli is known as an icon of technology and excellence in the Car, Moto, Cycling tyre business and beyond, across diverse cultures. The fame of the «PIRELLI» Brand also stems from its involvement in multiple activities beyond tyre manufacturing, as motorsport competition, multiple sports, its commitment to arts and culture and its involvement in numerous initiatives for community. All this makes our Brand a crucial asset - one which attracts consumers, and therefore contributes to the company's business performance and to our success in consolidating our status as the global leader in the high value segment.

# History & numbers

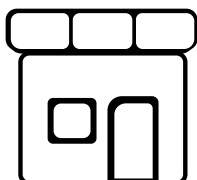
Pirelli was founded in Milan in 1872 and today stands as a global brand known for its cutting edge technology, high-end production excellence and passion for innovation that draws heavily in its Italian roots. It is among the world's major producers of tyres and associated services and the only one focused entirely on the Consumer tyre market, which includes tyres for cars, motorcycles and bicycles.



**HEADQUARTER & WORLDWIDE  
R&D CENTER**  
OF EXCELLENCE IN MILAN, ITALY  
PRESENCE IN **5** REGIONS



**18** FACTORIES  
IN **12** COUNTRIES

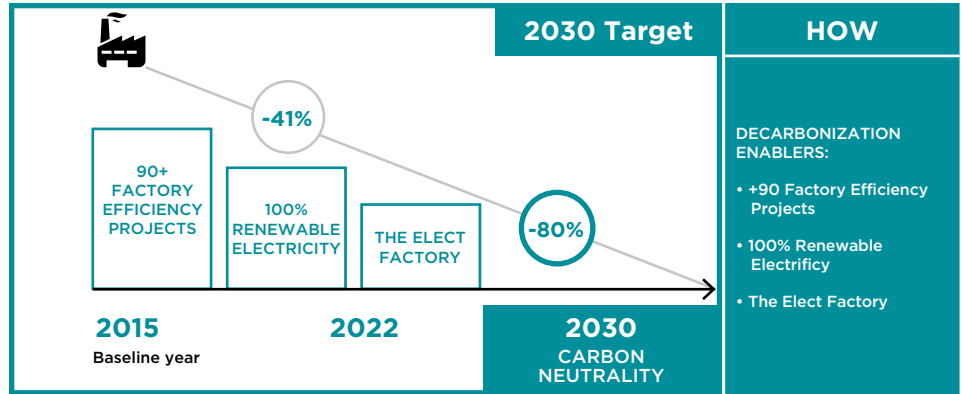


**20.000** POINT OF SALES  
IN **+160** COUNTRIES

# Sustainability

## MEASURING OUR IMPACT

### Key sustainability programs and main achievement 2022



**HOW**

DECARBONIZATION ENABLERS:

- +90 Factory Efficiency Projects
- 100% Renewable Electrify
- The Elect Factory



INDEX	2022 Actual	2025 Target	HOW
BIO-BASED AND RECYCLED MATERIALS (incl. Metals)	>38%	>48%	Rice Husk silica, Lignin, Bio-derived Polymers, Bio-resins, natural rubber Recycled PET, recycled Carbon Black from end-of-life Tyre, circular CB

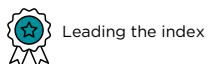
Scope: tyre available on the market with the highest % of renew. & recycled

## Top-of-the-industry ESG ratings

Pirelli is leader in tyre industry for following Environmental, Social and Governance (ESG) ratings:

The Dow Jones Sustainability index is an assessment involving different aspects of sustainability such as climate strategy, innovation management, social reporting. Pirelli's score of **86 points (+9 points above 2021)**, as already announced on 26 September 2022) is the highest in the ATX Auto Components sector and **significantly higher than the sector average of 24 points**.

Pirelli earned the "A" score in Carbon Disclosure Project meaning transparency in disclosing and perform on climate change, deforestation and water security.





ACTING ON CLIMATE CHANGE

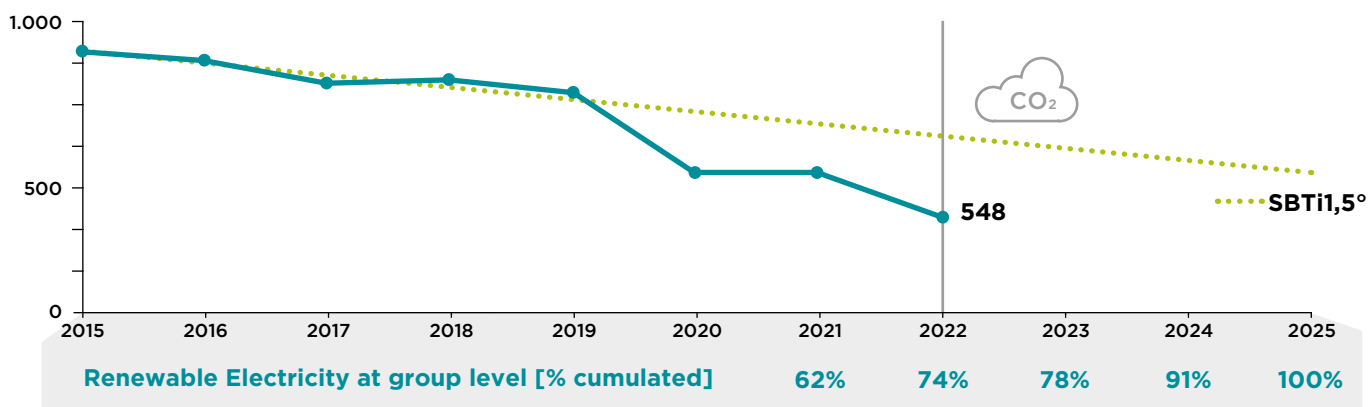
## PRODUCTION PLANTS POWERED BY RENEWABLE ELECTRICITY\*

### 100% of purchased from the grid electricity at 2025

- Procure Guarantees of Origin for sourced electricity for Pirelli's plants
- Execute renewable electricity sourcing contract whenever possible (Solar, Wind).

## EVOLUTION OF CO<sub>2</sub> EMISSIONS

kTonCO<sub>2</sub>



\*Electricity purchased from the grid

**SBTi1,5°:** CO<sub>2</sub> emission level to reach Net Zero by 2050 and respect Paris Agreement (2015) which defined to limit global warming and not exceed the 1.5 degree threshold.



Having become the **FIM Superbike World Championship's** single make tyre supplier for the first time in 2004, the 2023 WorldSBK season was the 20th that we had enjoyed in this close and continuing partnership with the world's most prestigious and high-profile production-derived asphalt racing championship. Pirelli's well-recognised success in the WorldSBK paddock has led to the next stage of single make tyre supply as we have extended our two-wheeled portfolio to include **Moto2™** and **Moto3™**, the strongest feeder classes in global motorsport, thus supplying our **DIABLO™ Superbike** slick tyres to all championships. A choice in line with Pirelli's philosophy 'We sell what we race, we race what we sell'. The new deal with Dorna also extends across the **Road to MotoGP™** as Pirelli become the official and sole tyre supplier for all classes of the **Finetwork FIM JuniorGP™ World Championship**, the **Idemitsu Asia Talent Cup**, the **Northern Talent Cup** and the **Red Bull MotoGP Rookies Cup**, joining their established commitment to the **FIM MiniGP World Series**.

**SBK** < **PIRELLI**  
Sole Tyre Supplier & Top Sponsor

**Moto2**  
**Moto3** **PIRELLI**  
EXCLUSIVE TYRE

# RACING



Slick	DIABLO™ SUPERBIKE	
Wet - Rain	DIABLO™ WET	DIABLO™ RAIN
Street Legal	DIABLO™ SUPERCORSA SC PHANTOM™ SPORTSCOMP RS	
	TRACK PROFESSIONAL	TRACK AMATEUR

# DIABLO™ SUPERBIKE

NEW SIZES



## YOUR LAP-TIME IS THEIR GOAL

- Pirelli official tyre of the world Superbike championship, dedicated to professional riders looking for top racetrack performance
- Extended range including the following updates:
  - Wide product range including MiniGP sizes in 10 and 12 inches, designed to give adrenaline and competitiveness of track riding to experienced riders
  - New SCQ compound specifically developed for Superpole and Superpole race of WSBK Championship

### FRONT DIABLO SUPERBIKE

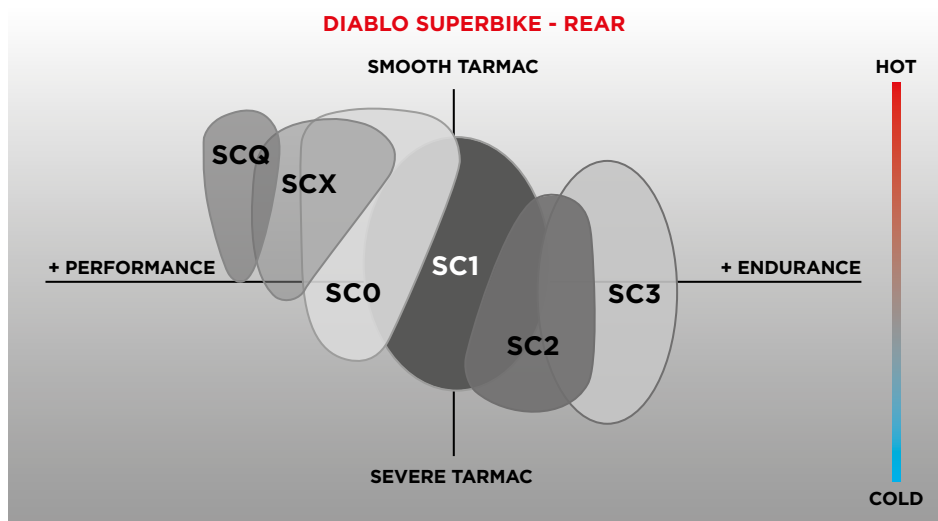
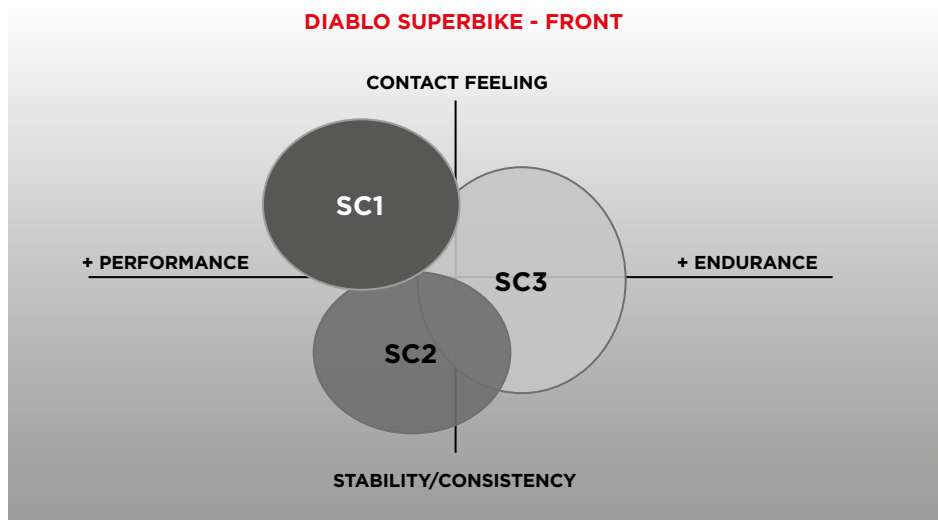
	Size	Version	IP Codes	Notes
<b>10</b>	100/80 - 10 NHS TL	SC1	3930600	MiniGP
<b>12</b>	100/90 - 12 NHS TL	SC1	4096200	MiniGP
<b>17</b>	100/70 R 17 NHS TL	SC1	2242600	Moto 3
	100/70 R 17 NHS TL	SC2	4458000	Moto 3 - NEW
	110/70 R 17 NHS TL	SC1	3107000	
	120/70 R 17 NHS TL	SC1	2332900	
	120/70 R 17 NHS TL	SC2	2333000	
	120/70 R 17 NHS TL	SC3	2738400	
	125/70 R 17 NHS TL	SC1	3755200	
	125/70 R 17 NHS TL	SC2	3869200	
	125/70 R 17 NHS TL	SC3	3869300	

### REAR DIABLO SUPERBIKE

	Size	Version	IP Codes	Notes
<b>10</b>	120/80 - 10 NHS TL	SC1	3930300	MiniGP
<b>12</b>	120/80 - 12 NHS TL	SC1	4096500	MiniGP
	120/80 - 12 NHS TL	SC2	4523300	MiniGP - NEW
<b>17</b>	120/70 R 17 NHS TL	SC1	2818500	Moto 3
	120/70 R 17 NHS TL	SC2	2818600	Moto 3
	140/70 R 17 NHS TL	SC1	3107100	WSSP300
	140/70 R 17 NHS TL	SC2	3869400	WSSP300
	160/60 R 17 NHS TL	SC2	1631800	
	180/60 R 17 NHS TL	SC1	2561800	
	180/60 R 17 NHS TL	SC2	2561900	
	180/60 R 17 NHS TL	SC3	2738500	
	190/60 R 17 NHS TL	SCX	4079600	
	190/60 R 17 NHS TL	SC0	3887700	
	190/60 R 17 NHS TL	SC1	3887800	
	190/60 R 17 NHS TL	SC3	3869500	
	200/60 R 17 NHS TL	SC0	2333100	
	200/60 R 17 NHS TL	SC1	2333200	
	200/60 R 17 NHS TL	SC2	2333300	
	200/60 R 17 NHS TL	SC3	2738600	
	200/65 R 17 NHS TL	SCQ	4229400	WSBK
	200/65 R 17 NHS TL	SCX	3930800	WSBK
	200/65 R 17 NHS TL	SC0	3755100	WSBK
	200/65 R 17 NHS TL	SC1	3869600	WSBK
200/65 R 17 NHS TL	SC2	3938800	WSBK	
200/65 R 17 NHS TL	SC3	3869700	WSBK	

NHS = Not for highway service  
TL=Tubeless





**Note:** Temperature information refers to tyre operating conditions. Compound choice can vary depending on bike setup and riding style. Please check with your dealer or racing service.

	SIZE	RIM recommended (inches)	COLD PRESSURE recommended range (w/o warmers) bar (psi)	HOT PRESSURE recommended range (after warmers) bar (psi)	WARMERS usage range °C (°F)
FRONT	100/80 – 10	2.50	1.3/1.4 (18.9/20.3)	1.5/1.6 (21.8/23.2)	Optional
	100/90 – 12				
	100/70 R 17	2.50	1.7/1.9 (25/28)	1.8/2.0 (26/29)	50 min @ 80°C (176°F)
	110/70 R 17	3.00	2.0/2.2 (29/32)	2.0/2.3 (29/34)	
	120/70 R 17	3.50	2.1/2.2 (30/32)	2.2/2.5 (32/36)	
	125/70 R 17				
REAR	120/80 – 10	3.00	1.1/1.2 (16.0/17.4)	1.4/1.5 (20.3/21.8)	Optional
	120/80 – 12				
	120/70 R 17	3.50	1.6/1.8 (23/26)	1.7/1.9 (25/28)	50 min @ 80°C (176°F)
	140/70 R 17	3.50 - 4.00	1.7/1.9 (25/28)	1.8/2.0 (26/29)	
	160/60 R 17	4.50 - 5.00	1.6/1.8 (23/26)	1.7/1.9 (25/28)	
	180/60 R 17	5.50 - 6.00			
	190/60 R 17	5.50			
	200/60 R 17	6.00			
200/65 R 17					

# DIABLO™

## WET

### THE INTERMEDIATE TYRE

- World Superbike Championship's tyre
- Performance and control in Intermediate weather conditions
- Regular wear without loss in performance
- Superb traction and stability at high speed



FRONT		DIABLO WET		
	Size	Version	IP Codes	Notes
17	120/70 R 17 NHS TL		2400100	

REAR		DIABLO WET		
	Size	Version	IP Codes	Notes
17	200/60 R 17 NHS TL		4178900	

NHS = Not for highway service  
TL=Tubeless

# DIABLO™

## RAIN

### THE RAIN TYRE

- World Superbike Championship's tyre
- Performance and control in severe wet conditions
- Superb traction and stability at high speed
- Wet surface grip combined with optimised wear
- Wide product range including MiniGP sizes in 10 and 12 inches, designed to give adrenaline and competitiveness of track riding to experienced riders



FRONT		DIABLO RAIN		
	Size	Version	IP Codes	Notes
10	100/80 - 10 NHS TL	SCR1	3930500	MiniGP
12	100/90 - 12 NHS TL	SCR1	4096300	MiniGP
17	100/70 R 17 NHS TL	SCR1	2243100	Moto 3
	110/70 R 17 NHS TL	SCR1	3130900	
	120/70 R 17 NHS TL	SCR1	2243800	

REAR		DIABLO RAIN		
	Size	Version	IP Codes	Notes
10	120/80 - 10 NHS TL	SCR1	3930400	
12	120/80 - 12 NHS TL	SCR1	4096400	
17	125/70 R 17 NHS TL	SCR1	2243200	Moto 3
	140/70 R 17 NHS TL	SCR1	2690100	
	160/60 R 17 NHS TL	SCR1	1602600	
	200/60 R 17 NHS TL	SCR1	2855300	

NHS = Not for highway service  
TL=Tubeless



**THE FOURTH GENERATION OF PIRELLI TREADED RACING TYRE**

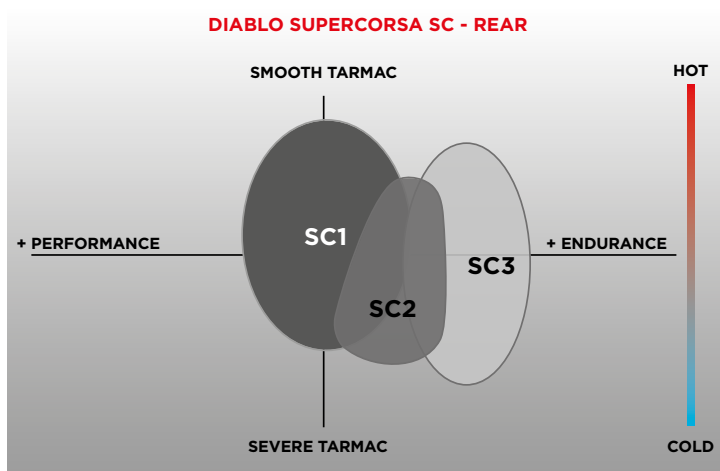
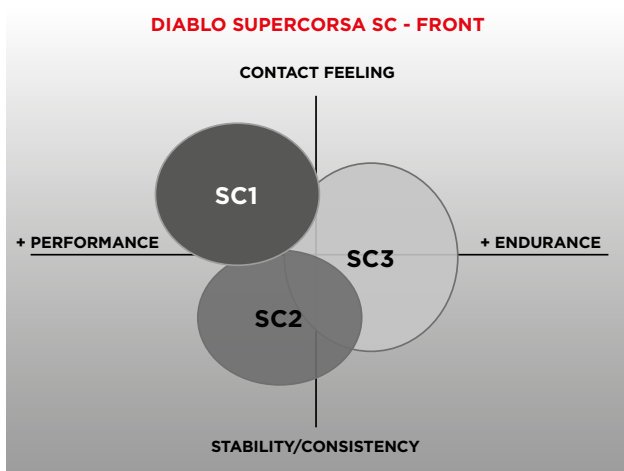
- Pirelli fastest treaded tyre for the racetrack
- Updated profiles for a further handling upgrade
- Extra-wide compound working range simplifies bike set-up
- SC3 the ideal choice for long-lasting multiple racetrack sessions



FRONT		DIABLO SUPERCORSA SC		
	Size	Version	IP Codes	Notes
17	110/70 R 17 M/C 54V TL	SC1	4122100	
	110/70 R 17 M/C 54V TL	SC3	4122200	
	120/70 R 17 M/C 58V TL	SC1	4122300	
	120/70 R 17 M/C 58V TL	SC2	4122400	
	120/70 R 17 M/C 58V TL	SC3	4122500	

REAR		DIABLO SUPERCORSA SC		
	Size	Version	IP Codes	Notes
17	120/70 R 17 M/C 58V TL	SC1	4282200	
	140/70 R 17 M/C 66V TL	SC1	4122800	
	140/70 R 17 M/C 66V TL	SC3	4122900	
	150/60 R 17 M/C 66V TL	SC3	4123000	
	160/60 R 17 M/C 69V TL	SC1	4519200	NEW
	180/60 R 17 M/C 75V TL	SC1	4123800	
	180/60 R 17 M/C 75V TL	SC2	4124000	
	180/60 R 17 M/C 75V TL	SC3	4124100	
	190/55 R 17 M/C 75V TL	SC2	4183000	
	200/55 R 17 M/C 78V TL	SC1	4124200	
	200/55 R 17 M/C 78V TL	SC2	4124300	
	200/55 R 17 M/C 78V TL	SC3	4124400	
	200/60 R 17 M/C 80V TL	SC1	4124500	
	200/60 R 17 M/C 80V TL	SC3	4124600	

TL=Tubeless



**Note:** Temperature information refers to tyre operating conditions. Compound choice can vary depending on bike setup and riding style. Please check with your dealer or racing service.



# PHANTOM<sup>™</sup>

SPORTSCOMP RS

## VINTAGE LOOK, RACING PERFORMANCE

- Street legal Racing tyre for Classic motorcycles with 18" fitments
- Plug & play: tyre warmers not needed
- Excellent performance also in wet conditions
- Advised for Track-use

NEW SIZES



FRONT		PHANTOM SPORTSCOMP RS		
	Size	Version	IP Codes	Notes
18	90/90 R 18 M/C 51V TL		4432300	NEW
	110/80 R 18 M/C 58V TL		3142100	

REAR		PHANTOM SPORTSCOMP RS		
	Size	Version	IP Codes	Notes
17	150/70 R 17 M/C 69V TL		4155900	
18	110/80 R 18 M/C 58V TL		4432400	NEW
	130/70 R 18 M/C 63V TL		3142200	
	150/70 R 18 M/C 70V TL		3142300	

TL=Tubeless





# SUPERSPORT



Displacement			
1.400cc	<b>DIABLO ROSSO™ IV CORSA</b>		ANGEL™ GT II ANGEL™ GT ANGEL™ ST
1.200cc			
1.000cc			
750cc	<b>DIABLO™ SUPERCORSA SP</b>	<b>DIABLO ROSSO™ IV</b> <b>DIABLO ROSSO™ III</b> <b>DIABLO ROSSO™ II</b>	<b>SPORT DEMON™</b>
500cc			
250cc			<b>ANGEL™ CiTy</b>
125cc		<b>DIABLO ROSSO™ SPORT</b>	
	<b>TRACK - ROAD</b>	<b>SPORT - ROAD</b>	<b>SPORT TOURING</b>

# DIABLO™

## SUPERCORSA SP

### THE LATEST GENERATION OF PIRELLI RACE REPLICA EQUIPMENT

- Directly derived from World SBK and engineered to unlock the full potential of your motorbike
- Dual compound front and rear layout applied on state-of-art profiles combine outstanding racetrack performance with ultimate riding pleasure on road
- Featuring the latest evolution of the patented FLASH tread pattern designed to enhance homogeneous thrust at any lean angle



FRONT		DIABLO SUPERCORSA SP		
	Size	Version	IP Codes	Notes
17	110/70 ZR 17 M/C 54W TL		4182600	
	120/70 ZR 17 M/C (58W) TL		4122600	

REAR		DIABLO SUPERCORSA SP		
	Size	Version	IP Codes	Notes
17	140/70 ZR 17 M/C 66W TL		4182700	
	150/60 ZR 17 M/C 66W TL		4182800	
	180/55 ZR 17 M/C (73W) TL		4123200	
	180/60 ZR 17 M/C (75W) TL		4123300	
	190/50 ZR 17 M/C (73W) TL		4182900	
	190/55 ZR 17 M/C (75W) TL		4123400	
	200/55 ZR 17 M/C (78W) TL		4123500	
	200/60 ZR 17 M/C (80W) TL	(E)	4123600	

TL=Tubeless



# DIABLO

ROSSO™ IV CORSA

## THE FIERCER VERSION OF DIABLO ROSSO™ IV

- Mountain pass record-breaker
- Higher edge grip in dry conditions
- Enhanced line holding at high lean angles
- Slicker tread pattern design for improved dry performance in combination with wet confidence



FRONT		DIABLO ROSSO IV CORSA		
	Size	Version	IP Codes	Notes
17	110/70 ZR 17 M/C 54W TL		3977500	NEW
	120/70 ZR 17 M/C (58W) TL		3977600	

REAR		DIABLO ROSSO IV CORSA		
	Size	Version	IP Codes	Notes
17	150/60 ZR 17 M/C 66W TL		3977700	NEW
	180/55 ZR 17 M/C (73W) TL		3977900	
	180/60 ZR 17 M/C (75W) TL		3978000	
	190/50 ZR 17 M/C (73W) TL		3978200	NEW
	190/55 ZR 17 M/C (75W) TL		3978100	
	200/55 ZR 17 M/C (78W) TL		3978300	
	200/60 ZR 17 M/C (80W) TL		4150900	

TL=Tubeless



Professional tester on track. Do not attempt. Ride responsibly and safely.

# DIABLO

## ROSSO IV

### THE ULTIMATE SPORT TYRE FOR ROAD USE

- Uncompromising riding performance
- The tyre that makes it easy to ride sporty
- Silica-enriched multi-compound for both front and rear tyres
- Best performance on road use, Race-track thrills included
- Excellent performance also in wet conditions



FRONT		DIABLO ROSSO IV		
	Size	Version	IP Codes	Notes
17	110/70 R 17 M/C 54H TL		4462500	
	110/70 ZR 17 M/C 54W TL		3978500	
	120/60 ZR 17 M/C (55W) TL		3978800	
	120/70 ZR 17 M/C (58W) TL		3978600	

REAR		DIABLO ROSSO IV		
	Size	Version	IP Codes	Notes
17	140/70 R 17 M/C 66H TL		3978900	
	150/60 R 17 M/C 66H TL		4462600	
	150/60 ZR 17 M/C 66W TL		3979100	
	160/60 ZR 17 M/C (69W) TL		3979200	
	180/55 ZR 17 M/C (73W) TL		3979300	
	180/60 ZR 17 M/C (75W) TL		3979500	
	190/50 ZR 17 M/C (73W) TL		3979700	
	190/55 ZR 17 M/C (75W) TL		3979600	
	200/55 ZR 17 M/C (78W) TL		3979800	
	200/60 ZR 17 M/C (80W) TL		4074700	

TL=Tubeless



# DIABLO

ROSSO™

## ARE YOU READY FOR THE NEXT LEVEL?

- Pirelli technology from World Superbike Championship
- Superb handling for an exciting sport behavior
- Bi-compound with wide side soft stripe offering full grip starting from mid lean angle
- Large footprint area for improved adherence



FRONT		DIABLO ROSSO III		
	Size	Version	IP Codes	Notes
<b>16</b>	130/70 ZR 16 M/C (61W) TL		3865500	
<b>17</b>	100/80 R 17 M/C 52H TL		2854700	
	110/70 R 17 M/C 54H TL		4454400	
	110/70 ZR 17 M/C 54W TL		2635000	
	120/60 ZR 17 M/C (55W) TL		2635100	
	120/65 ZR 17 M/C (56W) TL		2907600	
	120/70 ZR 17 M/C (58W) TL		2635200	
	120/70 ZR 17 M/C (58W) TL	(D)	2807800	
	120/70 ZR 17 M/C (58W) TL	(E)	3927400	
	120/70 ZR 17 M/C (58W) TL	(K)	3773200	

### SPECIAL VERSION

**Front D** 120/70 ZR 17 M/C (58W) TL 2807800. Dedicated version with higher stiffness for Original Equipment **Ducati** Monster All models.

**Front E** 120/70 ZR 17 M/C (58W) TL 2917400 Dedicated version for Original Equipment **HONDA** CB 1000 R

**Front K** 120/70 ZR 17 M/C (58W) TL 3773200 Dedicated version for Original Equipment **Kawasaki** Ninja ZH2

**Rear D** 180/55 ZR 17 M/C (73W) TL 3243700 Dedicated version for Original Equipment **Ducati** Monster MY2018, **Ducati** Hypermotard MY 2019, **MV Agusta** Brutale, **Zero** SR

**Rear M** 180/55 ZR 17 M/C (73W) TL 4079800 Dedicated version for Original Equipment **Ducati** Monster MY2021

**Rear D** 190/55 ZR 17 M/C (75W) TL 3042900 Dedicated version for Original Equipment **Ducati** Monster 1200 MY 2017-2020, **Kawasaki** Ninja H2, **Aprilia** Tuono V4 MY2017

**Rear E** 190/55 ZR 17 M/C (75W) TL 3927500 Dedicated version for Original Equipment **HONDA** CB 1000 R

REAR		DIABLO ROSSO III		
	Size	Version	IP Codes	Notes
<b>17</b>	140/70 R 17 M/C 66H TL		4470600	
	150/60 R 17 M/C 66H TL		4454300	
	150/60 ZR 17 M/C 66W TL		2635300	
	160/60 ZR 17 M/C (69W) TL		2635400	
	180/55 ZR 17 M/C (73W) TL		2635500	
	180/55 ZR 17 M/C (73W) TL	(D)	3243700	
	180/55 ZR 17 M/C (73W) TL	(M)	4079800	
	190/50 ZR 17 M/C (73W) TL		2635700	
	190/55 ZR 17 M/C (75W) TL		2635800	
	190/55 ZR 17 M/C (75W) TL	(D)	3042900	
	190/55 ZR 17 M/C (75W) TL	(E)	3927500	
	240/45 ZR 17 M/C (82W) TL		2717800	

TL=Tubeless



# DIABLO

## ROSSO™

### A GREAT SPORT TYRE FOR ROAD USE

- BI-Compound rear tyre combines long lasting mileage with excellent grip
- Pirelli Enhanced Patch Technology (EPT) optimises contact patch dimension depending on the lean angle for improved grip
- Functional Groove Design (FGD) offers race-like handling and greater control on wet surfaces



FRONT		DIABLO ROSSO II		
	Size	Version	IP Codes	Notes
17	100/80 R 17 M/C 52H TL	(R)	2409200	
	120/70 ZR 17 M/C (58W) TL	(D)	2148800	
	120/70 ZR 17 M/C (58W) TL	(K)	2291900	

#### SPECIAL VERSION

**Front D** 120/70 ZR 17 M/C (58W) TL 2148800. Specific structure development for improved agility. **Ducati** All models but Monster 1200.

**Front K** 120/70 ZR 17 M/C (58W) TL 2291900. Different structure properties for improved handling. **All Brands (not Ducati)** All models.

REAR		DIABLO ROSSO II		
	Size	Version	IP Codes	Notes
17	130/70 R 17 M/C 62H TL	(R)	2409300	
	160/60 ZR 17 M/C (69W) TL		2070200	
	170/60 ZR 17 M/C (72W) TL		2070300	
	180/55 ZR 17 M/C (73W) TL		2068500	
	190/50 ZR 17 M/C (73W) TL		2068600	
	190/55 ZR 17 M/C (75W) TL		2068700	
	200/50 ZR 17 M/C (75W) TL		2322000	

TL=Tubeless

# PHANTOM

## SPORTSCOMP

### VINTAGE LOOK WITH MODERN PERFORMANCE

- A "Classic" tread made with technology and compounds specific for medium-high performance bikes
- Good precision on entry into lean and easy handling on twisty roads
- Radial carcass structure with a steel belt at 0° for stability and a great feeling of control even on the most demanding surfaces



FRONT		PHANTOM SPORTSCOMP		
	Size	Version	IP Codes	Notes
18	100/90 - 18 M/C 56H TL		3131000	

REAR		PHANTOM SPORTSCOMP		
	Size	Version	IP Codes	Notes
17	150/70 R 17 M/C 69H TL		2690200	
18	130/70 - 18 M/C 63H TL		3131100	

TL=Tubeless

# DIABLO ROSSO SPORT

## READY TO MARK THE ROAD

- Pirelli's newest sport tyre for underbones and motorcycles up to 400cc
- Tread pattern design derived from DIABLO™ SUPERCORSA
- Light and precise handling
- Maximum grip in all road conditions
- Brilliant wet performance also on low-adhesion surfaces
- Performance consistency, uniform wear and duration



### FRONT DIABLO ROSSO SPORT

	Size	Version	IP Codes	Notes
17	70/90 - 17 M/C 38S TL		3613800	FRONT/REAR
	100/80 - 17 M/C 52S TL		3614200	FRONT/REAR
	110/70 - 17 M/C 54S TL		3614300	FRONT/REAR

### REAR DIABLO ROSSO SPORT

	Size	Version	IP Codes	Notes
17	80/90 - 17 M/C 44S TL		3613900	FRONT/REAR
	90/80 - 17 M/C 46S TL		3614000	FRONT/REAR
	120/70 - 17 M/C 58S TL		3614400	FRONT/REAR
	130/70 - 17 M/C 62S TL		3614500	
	140/70 - 17 M/C 66S TL		3614600	
	150/60 - 17 M/C 66S TL		3614700	

TL=Tubeless

# SPORT DEMON™

## CITY AND LONGER DISTANCE SPORTY RIDING

- X-Ply equipment for medium-displacement sport-touring motorcycles
- Light and precise handling with stable behavior in all riding conditions



### FRONT SPORT DEMON

	Size	Version	IP Codes	Notes
16	110/70 - 16 M/C 52P TL		1622500	
	110/90 - 16 M/C 59V TL		4025300	
	120/70 - 16 M/C 57P TL		3841100	
	120/80 V 16 M/C (60V) TL		4025400	
17	100/80 - 17 M/C 52H TL		1342800	
	100/80 - 17 M/C 52S TL		1595900	
	110/70 - 17 M/C 54H TL		2589300	
	110/80 - 17 M/C 57H TL		4404400	
18	120/70 - 17 M/C 58H TL		1564700	
	100/90 - 18 M/C 56H TL		1419700	
	110/80 - 18 M/C 58V TL		4025500	
19	110/90 - 18 M/C 61V TL		4025600	
	100/90 - 19 M/C 57V TL		4025700	

### REAR SPORT DEMON

	Size	Version	IP Codes	Notes
15	140/70 - 15 M/C 69P TL Reinf		3841200	
16	130/70 - 16 M/C 61P TL		2589400	
	130/90 - 16 M/C 67V TL		4025800	
	150/70 - 16 M/C 68S TL		4025900	
	150/80 V 16 M/C (71V) TL		4026000	
17	110/80 - 17 M/C 57P TL		2096600	
	120/80 - 17 M/C 61P TL		2263000	
	130/70 - 17 M/C 62H TL		2589500	
	130/80 - 17 M/C 65H TL		3841300	
	130/90 - 17 M/C 68V TL		4026100	
	140/70 - 17 M/C 66H TL		2589600	
18	150/70 - 17 M/C 69H TL		1343300	
	110/90 - 18 M/C 61H TL		1404500	
	120/80 - 18 M/C 62H TL		1404600	
	120/90 - 18 M/C 65V TL		4026200	
	130/70 - 18 M/C 63H TL		1343400	
	130/80 - 18 M/C 66V TL		4026300	
	140/70 - 18 M/C 67V TL		4026400	

TL=Tubeless







# SPORT TOURING



**YOU DON'T NEED WINGS  
TO GO EVERYWHERE**



Displacement

1.400cc			
1.200cc			
1.000cc		DIABLO ROSSO™ IV CORSA	ANGEL™ GT II ANGEL™ GT ANGEL™ ST
750cc			
500cc	DIABLO™ SUPERCORSA SP	DIABLO ROSSO™ IV DIABLO ROSSO™ III DIABLO ROSSO™ II	SPORT DEMON™
250cc			ANGEL™ CiTy
125cc		DIABLO ROSSO™ SPORT	
	TRACK - ROAD	SPORT - ROAD	SPORT TOURING





## YOU DON'T NEED WINGS TO GO EVERYWHERE

- The evolution of the PIRELLI Angel™ GT further develops the PIRELLI Gran Turismo concept
- Top handling in line with Pirelli DNA added onto a new reference for mileage in Sport Touring tyres segment
- Outstanding wet behavior also thanks to a new innovative tread design coming from PIRELLI DIABLO™ racing tyres for wet conditions
- Dual Compound layout on rears



FRONT		ANGEL GT II		
	Size	Version	IP Codes	Notes
17	120/60 ZR 17 M/C (55W) TL		3111200	
	120/70 ZR 17 M/C (58W) TL		3111300	
	120/70 ZR 17 M/C (58W) TL	(A)	3111400	
19	120/70 R 19 M/C 60V TL		3111500	

### SPECIAL VERSION

(A) versions feature 2-ply structure for enhanced stability on selected motorcycles. Browse WHAT BIKE DO YOU OWN section on [pirelli.com](http://pirelli.com) for specific tyre recommendation

REAR		ANGEL GT II		
	Size	Version	IP Codes	Notes
17	150/70 ZR 17 M/C (69W) TL		3111600	
	160/60 ZR 17M/C (69W) TL		3111700	
	170/60 R 17 M/C 72V TL		3111800	
	170/60 ZR 17 M/C (72W) TL		3111900	
	180/55 ZR 17 M/C (73W) TL		3112000	
	180/55 ZR 17 M/C (73W) TL	(A)	3112100	
	190/50 ZR 17 M/C(73W) TL		3112200	
	190/50 ZR 17 M/C (73W) TL	(A)	3112300	
	190/55 ZR 17 M/C (75W) TL		3112400	
	190/55 ZR 17 M/C (75W) TL	(A)	3112500	

TL=Tubeless





### 100% ITALIAN GRAN TURISMO

- The evolution of the ANGEL™ ST, stretching the concept of Sport Touring into Gran Turismo, bringing the sporty attitude to a wider range of usage conditions and for longer distances
- Excellency in wet performance and grip
- Top handling capabilities, typical of the Pirelli DNA
- Performance consistency until the end of tyre's life
- BI-Compound rear



FRONT		ANGEL GT		
	Size	Version	IP Codes	Notes
17	120/70 ZR 17 M/C (58W) TL		3976000	
	120/70 ZR 17 M/C (58W) TL	(A)	2497200	
18	110/80 ZR 18 M/C (58W) TL		2317100	
	120/70 ZR 18 M/C (59W) TL		2317200	
19	110/80 R 19 M/C 59V TL		2490900	

#### SPECIAL VERSION

(A) versions feature 2-ply structure for enhanced stability on selected motorcycles. Browse WHAT BIKE DO YOU OWN section on [pirelli.com](http://pirelli.com) for specific tyre recommendation  
**Rear D** 190/55 ZR 17 M/C (75W) TL 2400000 Genuine equipment of **KTM** 1290 Superduke GT 2016 and Multistrada 1200 GT MY2013

REAR		ANGEL GT		
	Size	Version	IP Codes	Notes
17	160/60 ZR 17 M/C (69W) TL		2317400	
	170/60 ZR 17 M/C (72W) TL		2317500	
	180/55 ZR 17 M/C (73W) TL		2317600	
	180/55 ZR 17 M/C (73W) TL	(A)	2321200	
	190/50 ZR 17 M/C (73W) TL		2317700	
	190/50 ZR 17 M/C (73W) TL	(A)	2321300	
	190/55 ZR 17 M/C (75W) TL		2317800	
	190/55 ZR 17 M/C (75W) TL	(A)	2361600	
	190/55 ZR 17 M/C (75W) TL	(D)	2400000	
	150/70 R 17 M/C 69V TL		3976100	
	18	160/60 ZR 18 M/C (70W) TL		2317900

TL=Tubeless





### THE TYRE WITH A DOUBLE SOUL

- Sport touring compound: safety feeling on wet / cold conditions without compromising dry grip
- Tread design guarantees mileage while maintaining an appealing look
- Visual appearance of the tread changes in the first stage of tyre life to reflect the double soul of the product
- Front and rear profile tailored for sport touring bikes: neutral and smooth handling in all maneuvers



FRONT		ANGEL ST		
	Size	Version	IP Codes	Notes
17	120/70 ZR 17 M/C (58W) TL		1868400	

REAR		ANGEL ST		
	Size	Version	IP Codes	Notes
17	160/60 ZR 17 M/C (69W) TL		1868800	
	180/55 ZR 17 M/C (73W) TL		1868500	
	190/50 ZR 17 M/C (73W) TL		1868700	

TL=Tubeless



### A X-PLY SPORT-TOURING TYRE DERIVING FROM THE MULTIPLE TEST-WINNER ANGEL™ GT

- The tyre for the needs of sporty bikes up to 250cc, 'underbones' and other commuting bikes
- Robust tyre construction ensures high puncture resistance and performance consistency throughout the entire tyre life
- The benefits are clearly perceived in any riding condition, especially on uneven road
- The tread pattern and new compound guarantees excellent grip in the dry and wet, tear resistance and mileage



FRONT		ANGEL CItY		
	Size	Version	IP Codes	Notes
17	70/90 - 17 M/C 38S TL		2627000	
	80/80 - 17 M/C 46S TL Reinf		2925800	
	2.50 - 17 M/C 43P Reinf TT		3445500	FRONT/REAR
	80/90 - 17 M/C 44S TL		2580600	FRONT/REAR
	80/100 - 17 M/C 46S TL		2580700	
	90/80 - 17 M/C 46S TL		2580400	FRONT/REAR
	90/90 - 17 M/C 49S TL		2780100	FRONT/REAR
	100/80 - 17 M/C 52S TL		4298300	
	110/70 - 17 M/C 54S TL		4248200	FRONT/REAR

REAR		ANGEL CItY		
	Size	Version	IP Codes	Notes
14	100/80 - 14 M/C 54S TL Reinf		2690500	
17	2.75 - 17 M/C 47P Reinf TT		3445600	
	80/90 - 17 M/C 44S TL		2627100	
	100/70 - 17 M/C 49S TL		2902700	
	100/80 - 17 M/C 52S TL		2580900	
	100/90 - 17 M/C 55S TL		2581000	
	120/70 - 17 M/C 58S TL		2580500	FRONT/REAR
	130/70 - 17 M/C 62S TL		3243400	
	140/70 - 17 M/C 66S TL		3566600	
	150/60 - 17 M/C 66S TL		2690600	

TL=Tubeless  
TT = Tube Type



# CRUISER & TOURERS

Displacement

1.400cc	ANGEL™ GT II ANGEL™ GT ANGEL™ ST	NIGHT DRAGON™ ROUTE MT 66™	
1.200cc			
1.000cc			
750cc			
500cc			CITY DEMON™
250cc	ANGEL™ City		
125cc			
	SPORT TOURING	CRUISER & TOURERS	URBAN

# NIGHT DRAGON™

## THE CRUISER TYRE WITH A PIRELLI SPORTY FEELING

- Constructed to fit both V-Twin and metric cruiser bikes
- Dedicated to those riders looking for products with improved grip, stability and handling also in wet conditions
- Offers first in class riding emotion, together with an impressive performance consistency throughout the entire tyre life
- GT rear sizes feature modified compound for extended mileage



FRONT		NIGHT DRAGON		
	Size	Version	IP Codes	Notes
16	130/90 B 16 M/C 67H TL		2211500	
	130/90 B 16 M/C 73H TL Reinf		4302700	
	150/80 B 16 M/C 71H TL		1815400	
17	130/80 B 17 MC 65H TL		2211400	
	140/75 R 17 M/C 67V TL		1815000	
18	130/70 R 18 M/C 63V TL		2211300	
19	100/90 - 19 M/C 57H TL		3745400	
	110/90 - 19 M/C 62H TL		4205000	
	130/60 B 19 M/C 61H TL		2812100	
21	120/70 B 21 M/C 68H TL Reinf		4405000	
	90/90 - 21 M/C 54H TL		4525100	

REAR		NIGHT DRAGON		
	Size	Version	IP Codes	Notes
15	170/80 B 15 M/C 77H TL	GT	2592500	
	180/70 B 15 M/C 76H TL		1815500	
16	130/90 B 16 M/C 73H TL Reinf	GT	2902500	
	150/80 B 16 M/C 77H TL Reinf	GT	2592600	
	180/60 R 16 M/C 80H TL Reinf	GT	2595700	
	180/65 B 16 M/C 81H TL Reinf	GT	2592700	
	180/70 R 16 M/C 77H TL		2212300	
	MU85 B 16 M/C 77H TL	GT	2592800	
17	160/70 B 17 M/C 79V TL Reinf	GT	2902400	
	180/60 B 17 M/C 81H TL Reinf		1773000	
	200/55 R 17 M/C 78V TL	GT	2595600	
18	180/55 B 18 M/C 80H TL Reinf	GT	2812200	FRONT/REAR
	240/40 VR 18 M/C (79V) TL		1862300	

TL=Tubeless

## ROUTE MT 66™

### COVER THE DISTANCE, OWN THE ROAD

- The perfect tyre for any *old school* custom application
- Lightweight and high riding comfort thanks to the optimised carcass materials
- High mileage and wet performance given by high tread depth
- Tread design with directional front grooves and big central blocks for straight stability



FRONT		ROUTE MT 66		
	Size	Version	IP Codes	Notes
17	120/90 - 17 M/C 64S		1016400	
21	80/90 - 21 48H		0801100	

REAR		ROUTE MT 66		
	Size	Version	IP Codes	Notes
15	130/90 - 15 M/C 66S		1003300	
	140/90 - 15 M/C 70H TL		4404800	
	150/90 - 15 M/C 74H TL		0800300	
16	140/90 - 16 71H TL		0851900	

TL=Tubeless

# CITY DEMON™

## CARVE THROUGH THE CITY

- Tread pattern designed to ensure optimum mileage and even wear
- Front tyre with central groove for straight stability and wet performance
- Stiff carcass for high durability on small displacement motorcycles



FRONT		CITY DEMON		
	Size	Version	IP Codes	Notes
18	2.75 - 18 M/C 42P TL		1966900	
	3.00 - 18 M/C 47S TL		2375600	

REAR		CITY DEMON		
	Size	Version	IP Codes	Notes
15	130/90 - 15 M/C 66S TL		1545600	
16	120/90 - 16 M/C 63S TL		1545700	
	130/90 - 16 M/C 67S		1340800	
18	3.00 - 18 M/C 52P TL Reinf		3745300	
	3.50 - 18 M/C 62P Reinf		2584100	
	90/90 - 18 M/C 57P Reinf		2584000	

TL=Tubeless

# MANDRAKE™ MT 15

## A TOURING TYRE FOR THE CITY

- Conventional tyre for moto and scooters 14" to 16"
- Central grooves for good feedback and wet performance
- Classic design tread pattern with low section profile and stiff carcass



FRONT		MANDRAKE MT 15		
	Size	Version	IP Codes	Notes
16	80/80 - 16 M/C 45J TL Reinf		2588000	

REAR		MANDRAKE MT 15		
	Size	Version	IP Codes	Notes
14	110/80 - 14 M/C 59J TL Reinf		2588200	
16	90/80 - 16 M/C 51J TL Reinf		2588100	FRONT/REAR

TL=Tubeless





# ON/OFF-ROAD (Adventure/Dual Purpose)



Displacement

1.200cc									
1.000cc									
750cc									
500cc									
250cc									
125cc									
	ENDURO STREET			ENDURO ON/OFF			COMPETITION		

# SCORPION™ TRAIL III

**NEW PRODUCT**

## BRING PERFORMANCE ALONG.

- A sportier evolution of TRAIL II
- Remarkable performance and handling for thrill lovers
- The wet grip and mileage of a sport touring tyre into a new adventure equipment



FRONT SCORPION TRAIL III				
	Size	Version	IP Codes	Notes
17	120/70 ZR 17 M/C (58W) TL		4328900	
18	100/90 - 18 M/C 56V TL		4254800	
19	100/90 - 19 M/C 57V TL		4254900	
	110/80 R 19 M/C 59V TL		4255000	
	120/70 R 19 M/C 60V TL		4255100	
	120/70 ZR 19 M/C 60W TL		4255200	
21	90/90 V 21 M/C (54V) TL		4255400	

REAR SCORPION TRAIL III					
	Size	Version	IP Codes	Notes	
17	120/90 - 17 M/C 64H TL		4456600		
	130/80 R 17 M/C 65V TL		4255500		
	140/80 R 17 M/C 69V TL		4255600		
	150/70 R 17 M/C 69V TL		4255700		
	160/60 ZR 17 M/C (69W) TL		4436800		
	170/60 R 17 M/C 72V TL		4255800		
	170/60 ZR 17 M/C 72W TL		4255900		
	180/55 ZR 17 M/C (73W) TL		4329000		
	18	150/70 ZR 18 M/C 70W TL		4256100	

TL=Tubeless



# SCORPION™ TRAIL II

## A GREAT PATTERN FOR ADVENTURE

- Sport-touring performance and dirt-road capabilities blended into one great product
- Top-level handling and great wet performance throughout the entire life span thanks to dual-Compound rears



FRONT		SCORPION TRAIL II			
	Size	Version	IP Codes	Notes	
<b>17</b>	120/70 ZR 17 M/C (58W) TL		2526300		
<b>19</b>	110/80 R 19 M/C 59V TL		2526500		
	120/70 R 19 M/C 60V TL		2802800		
	120/70 ZR 19 M/C 60W TL	(D)	2746700		
	120/70 ZR 19 M/C 60W TL	(U)	4329100		
<b>21</b>	90/90 - 21 M/C 54V TL		3745800		

REAR		SCORPION TRAIL II			
	Size	Version	IP Codes	Notes	
<b>17</b>	130/80 R 17 M/C 65V TL		2526900		
	140/80 R 17 M/C 69V TL		2527000		
	150/70 R 17 M/C 69V TL		2527100		
	160/60 ZR 17 M/C (69W) TL		2527200		
	170/60 R 17 M/C 72V TL		2802900		
	170/60 ZR 17 M/C 72W TL	(D)	2746800		
	170/60 ZR 17 M/C 72W TL	(U)	4344100		
	180/55 ZR 17 M/C (73W) TL		2527400		
	190/55 ZR 17 M/C (75W) TL		2527500		
	<b>18</b>	150/70 R 18 M/C 70V TL		2803200	

TL=Tubeless

### SPECIAL VERSION

- Front D** 120/70 ZR 19 M/C 60W TL 2746700. Genuine equipment of **Ducati** Multistrada 1200 Enduro until 2021 model year.
- Front U** 120/70 ZR 19 M/C 60W TL 4329100. Different structure for improved stability on **Ducati** Multistrada 1200 (all models)
- Rear D** 170/60 ZR 17 M/C 72W TL 2746800. Genuine equipment of **Ducati** Multistrada 1200 Enduro until 2021 model year.
- Rear U** 170/60 ZR 17 M/C 72W TL 4013700. Different structure for improved stability on **Ducati** Multistrada 1200 (all models)

# MT 60™ RS

## ON OR OFF ROAD? PURE ADRENALINE

- Radial light knobbly tyre for impressive road performance
- Optimised tread pattern design for street use also on wet
- Cornering grip pleasure thanks to a dedicated compound



FRONT		MT 60 RS		
	Size	Version	IP Codes	Notes
16	130/90 B 16 M/C 67H TL		2925100	
17	110/70 R 17 M/C 54H TL		2433400	
	120/70 ZR 17 M/C (58W) TL		2636000	
18	110/80 R 18 M/C 58H TL		2402500	
	120/70 ZR 18 M/C (59W) TL		2864500	

REAR		MT 60 RS		
	Size	Version	IP Codes	Notes
16	150/80 B16 M/C 77H TL Reinf		2925200	
	150/60 R 17 M/C 66H TL		2433500	
17	160/60 R 17 M/C 69H TL		2504000	
	180/55 R 17 M/C 73H TL		2504100	
	180/55 ZR 17 M/C (73W) TL		2636100	
	180/55 ZR 17 M/C (73W) TL	(C)	3535100	

TL=Tubeless

### SPECIAL VERSION

**Rear C** 180/55 ZR 17 M/C (73W) TL 3535100. Different structure for improved stability on **Ducati Scrambler XL**.

# MT 60™

## ON OR OFF ROAD? JUST HAVE FUN

- Renowned knobbly tread pattern for street oriented performance on dual purpose bikes
- Modern bias construction for comfort and stability
- Special on-off block design for more grip and traction on all surfaces and in all weather conditions



FRONT		MT 60		
	Size	Version	IP Codes	Notes
19	100/90 - 19 M/C 57H TL		0282200	
	90/90 - 19 M/C 52P DP TT		4056500	
21	90/90 - 21 M/C 54H MST TL		3982400	
	90/90 - 21 M/C 54H TL	(E)	3617700	
	90/90 - 21 M/C 54S MST TT	(A)	3966300	

REAR		MT 60		
	Size	Version	IP Codes	Notes
17	110/90 - 17 M/C 60P		0998000	
	120/90 - 17 M/C 64S		0947500	
	120/90 - 17 M/C 64S	(E)	3617800	
	130/80 - 17 M/C 65H MST TL		3982600	
	140/80 - 17 M/C 69H MST TL		3982500	
18	110/80 - 18 M/C 58T MST TT		3971500	

TL = Tubeless  
 TT = Tube Type  
 DP = Dual Purpose  
 MST = Multi Service Tyre

### SPECIAL VERSION

**Front A** 90/90 - 21 M/C 54S MST TT. Tube Type version for spoked wheels applications

**Front E** 90/90 - 21 M/C 54H TL 3617700. **Royal Enfield Himalayan**

**Rear E** 120/90 - 17 M/C 64S 3617800. **Royal Enfield Himalayan**



# SCORPION™ RALLY STR

NEW SIZES

## THE KNOBBLY ENDURO ON/OFF TYRE FOR ADVENTURE WITHOUT LIMITS

- Technological innovations provide traction on dirt, stability at high speeds, on-road handling agility and grip in all riding conditions
- A new compound, with a high content of silica, offers increased grip on both dry and wet surfaces, stability and a superior resistance to abrasion
- Increased width and length of the tyre's contour makes a larger contact patch for better stability
- Blocks are longer and wider, and the longitudinal distance between each line of knobs has been reduced to increase the contact patch, without compromising off-road traction
- Heat, generated by high speed, is distributed across a wider surface to prevent knob tearing



FRONT SCORPION RALLY STR				
	Size	Version	IP Codes	Notes
17	110/70 R 17 M/C 54H M+S TL		2808100	
	120/70 R 17 M/C 58H M+S TL		2919800	
	120/70 R 17 M/C 58V M+S TL		3246500	
18	110/80 R 18 M/C 58H M+S TL		3838800	
	120/70 R 18 M/C 59V M+S TL		3114900	
19	100/90 - 19 M/C 57V M+S TL		2865300	
	110/80 R 19 M/C 59H M+S TL		3246600	
	110/80 R 19 M/C 59V M+S TL		2865100	
	120/70 R 19 M/C 60V M+S TL		2803600	
21	90/90 - 21 M/C 54V M+S TL	(A)	3849300	

REAR SCORPION RALLY STR				
	Size	Version	IP Codes	Notes
15	160/60 R 15 M/C 67H M+S TL		2919900	
17	120/90 - 17 M/C 64H M+S TL		4397100	NEW
	130/80 R 17 M/C 65V M+S TL		2865400	
	140/80 R 17 M/C 69V M+S TL		2865500	
	150/60 R 17 M/C 66H M+S TL		2808200	
	150/70 R 17 M/C 69V M+S TL		2865200	
	170/60 R 17 M/C 72V M+S TL		2803700	
	180/55 R 17 M/C 73V M+S TL		3115000	
18	150/70 R 18 M/C 70V M+S TL		2803500	

M+S = Mud + Snow  
TL=Tubeless

### SPECIAL VERSION

Front A 90/90 - 21 M/C 54V M+S TL 3849300. Original Equipment of Yamaha Ténéré 700



# SCORPION™ MT 90 A/T

## FOR ENDURO ROAD RACES WITH ALL ENGINE SIZES

- Flexibility of use on asphalt roads and on rough ground, with high levels of road holding and safety on all types of surface
- Tread with large central blocks for a more stable ride and V arrangement for the maximum grip in traction and braking
- Optimised carcass for best stability at high speeds even at full load
- Compound with balanced silica content capable of ensuring high mileage and better grip on both dry and wet surfaces



### FRONT SCORPION MT 90 A/T

	Size	Version	IP Codes	Notes
<b>21</b>	80/90 - 21 M/C 48S		1005100	
	90/90 - 21 M/C 54S MST TT		3983100	
	90/90 - 21 M/C 54V TL		1417500	

### REAR SCORPION MT 90 A/T

	Size	Version	IP Codes	Notes
<b>17</b>	120/90 - 17 M/C 64S MST TT		3967000	
<b>18</b>	110/80 - 18 M/C 58S MST TT		3966400	
	120/80 - 18 M/C 62S MST TT		3967100	
	140/80 - 18 M/C 70S MST TT		3983200	
	150/70 R 18 M/C 70V TL		1421900	

TL = Tubeless  
 TT = Tube Type  
 MST = Multi Service Tyre

# SCORPION™ RALLY

## THE CHOICE OF CHAMPIONS FOR DESERT RACING AND RALLIES

- 2 road legal off-road ranges in 1: the **Adventuring sizes** complement the **Rally Racing set**
- Outstanding off-road compound resistance with high overall performance even during intensive use
- Rear traction granted even on demanding surfaces

### Rally Racing set (Version Race)

- Front tread design and rear structure (with Odeg steel belt) optimised for extreme traction and directional stability off-road also at high speed
- Tread knob layout ensures top off-road handling and traction over bottomless dunes

### Adventuring sizes

- Tread pattern enables incredible performance - wherever your adventure takes you. Off and on road.
- Carcass structure blends road handling and off-the road puncture resistance



FRONT SCORPION RALLY				
	Size	Version	IP Codes	Notes
19	110/80 R 19 M/C 59R MST TL		3870500	
	120/70 R 19 M/C 60T M+S TL		2439200	
21	90/90 - 21 M/C 54R M+S TL		4187200	Wide knobs
	90/90 - 21 M/C 54R MST TT	Race	3908400	Rally racing

REAR SCORPION RALLY				
	Size	Version	IP Codes	Notes
17	150/70 R 17 M/C 69R MST TL		3870600	
	170/60 R 17 M/C 72T M+S TL		2439600	
18	140/80 - 18 M/C 70R MST	Race	3870300	Rally racing
	150/70 R 18 M/C 70R M+S TL		4187300	

M+S = Mud + Snow  
 TL = Tubeless  
 MST = Multi Service Tyre



# MT 21™ RALLYCROSS

## TURN OFF THE ROAD AND GO WHEREVER YOU WANT

- High stability and cornering precision thanks to carcass stiffness
- Tread pattern optimised for use on dirt and gravel roads, cross-country racing and desert tours
- Long lasting off-road performance and block tearing resistance thanks to special off-road compound



FRONT		MT 21 RALLYCROSS		
	Size	Version	IP Codes	Notes
21	80/90 - 21 M/C 48P M+S TT		3988700	
	90/90 - 21 M/C 54R M+S TT		3990400	

REAR		MT 21 RALLYCROSS		
	Size	Version	IP Codes	Notes
17	120/90 - 17 M/C 64R M+S TT		3988400	
	130/90 - 17 M/C 68P M+S TT		3989100	
18	110/80 - 18 M/C 58P M+S TT		3988800	
	120/80 - 18 M/C 62R M+S TT		3988900	
	120/90 - 18 M/C 65R M+S TT		3989000	
	130/90 - 18 M/C 69R M+S TT		3988500	
	140/80 - 18 M/C 70R M+S TT		4404500	


TT = Tube Type  
MST = Multi Service Tyre





**SCORPION** 

<b>PROFESSIONAL</b>	<b>FRONT</b>	MX32™ MID SOFT		MX32™ MID HARD	
	<b>REAR</b>	MX SOFT	MX32™ MID SOFT		
<b>TRAINING</b>		MX EXTRA X			
<b>XC</b>		XC MID SOFT	XC MID HARD		
		<b>SOFT</b>	<b>MID SOFT</b>	<b>MID HARD</b>	<b>HARD</b>

(\*) SCORPION, , MX32 are trademarks of Pirelli Tyre S.p.A.

# HALL OF FAME

# 1980 - 2023

## 81 World Titles

500 cc Malherbe (Honda)	250 cc Jobè (Suzuki)	125 cc H. Everts (Suzuki)	250 cc Laporte (Yamaha)	125 cc Geboers (Suzuki)	500 cc Malherbe (Honda)	250 cc Kinigarder (Ktm)	125 cc Rinaldi (Suzuki)	500 cc Thorpe (Honda)	125 cc Stijbos (Cagiva)	500 cc Thorpe (Honda)	125 cc Parker (Ktm)	500 cc Jobè (Honda)	500 cc Martens (Husqvarna)	500 cc Smets (Husaberg)	125 cc Puzar (Honda)	500 cc Smets (Husaberg)	250 cc S. Everts (Honda)	125 cc Chiodi (Yamaha)	500 cc Bartolini (Yamaha)	250 cc Bolley (Honda)	500 cc S. Everts (Yamaha)	250 cc Pichon (Suzuki)	
1980	1982	1984	1986	1989	1991	1993	1995	1997	1999	2001													
1981	1983	1985	1987	1990	1992	1994	1996	1998	2000	2002													
500 cc Malherbe (Honda)	500 cc Carlqvist (Yamaha)	500 cc Thorpe (Honda)	250 cc Gobers (Honda)	500 cc Geboers (Honda)	500 cc Jobè (Honda)	500 cc Hansson (Honda)	500 cc S. King (Ktm)	500 cc Smets (Husaberg)	125 cc Langston (Ktm)	500 cc S. Everts (Yamaha)	250 cc Pichon (Suzuki)												
250 cc Hudson (Yamaha)	125 cc Geboers (Suzuki)	125 cc Vehokonen (Cagiva)		250 cc Puzar (Suzuki)	250 cc Smith (Yamaha)	125 cc Moore (Yamaha)																	
125 cc H. Everts (Suzuki)																							



Pirelli's high-level racing involvement has represented the driver for growth and continuous improvement of the Scorpion™ MX line. With such an extensive heritage of victories, the success of the Scorpion™ MX product range remains undoubted and shall continue for years to come.

2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023
MX - GP S. Everts (Yamaha)	MX 1 S. Everts (Yamaha)	MX 1 S. Ramon (Suzuki) MX 3 Y. De Maria (Yamaha)	MX 2 M. Musquin (Ktm)	MX 1 A. Cairoli (Ktm) MX 2 K. Roczen (Ktm)	MXGP A. Cairoli (Ktm) MX 2 J. Herlings (Ktm)	MX 1 R. Febvre (Yamaha) MX 2 T. Gajser (Honda)	MXGP A. Cairoli (Ktm) MX 2 P. Jonass (Ktm)	MXGP T. Gajser (Honda) MX 2 J. Prado (Ktm)	MXGP J. Herlings (Ktm) MX 2 M. Renaux (Yamaha)	MXGP J. Prado (GasGas) MX 2 A. Adamo (Ktm)
2004	2006	2008	2010	2012	2014	2016	2018	2020	2022	
MX 1 S. Everts (Yamaha)	MX 1 S. Everts (Yamaha)	MX 1 D. Philippaerts (Yamaha) MX 2 T. Rattray (Ktm) MX 3 S. Breugelmans (Ktm)	MX 1 A. Cairoli (Ktm) MX 2 M. Musquin (Ktm)	MX 1 A. Cairoli (Ktm) MX 2 J. Herlings (Ktm)	MXGP A. Cairoli (Ktm) MX 2 J. Tixier (Ktm)	MXGGP T. Gajser (Honda) MX 2 J. Herlings (Ktm)	MXGP J. Herlings (Ktm) MX 2 J. Prado (Ktm)	MXGP T. Gajser (Honda) MX 2 T. Vialle (Ktm)	MXGP T. Gajser (Honda) MX 2 T. Vialle (Ktm)	



# SCORPION™ MX SOFT

NEW SIZES

## OUTSTANDING PERFORMANCE IN EXTREME SOFT CONDITIONS

- The rear tyre developed with MXGP champions, specifically designed for demanding racing in mud, sand, or clay dirt.
- Tall, thick turbine-shaped knobs featuring wide space in between for excellent self-cleaning in deep, bottomless sand or mud.
- New rubber recipe with innovative resistance to knob tearing, impact and abrasion for great duration.
- Side knobs for excellent grip at extreme lean angles.



REAR		SCORPION MX SOFT		
	Size	Version	IP Codes	Notes
12	80/100 - 12 NHS 50M		3659100	
16	90/100 - 16 NHS 51M		2901400	
18	120/90 - 18 NHS 65M		4294000	NEW
19	100/90 - 19 NHS 57M		2901500	
	110/90 - 19 NHS 62M		3256900	
	120/80 - 19 NHS 63M		4238400	NEW

NHS = Not for highway service

# SCORPION™ MX32™ MID SOFT

NEW SIZES

## THE WINNINGEST TYRE OF WORLD MX GP CHAMPIONSHIP

- The winning equipment continuously developed in the most prestigious MXGP competitions
- Best performance from soft to intermediate terrain
- Mini-cross equipment updated with the latest tread pattern and material evolutions
- The portfolio ranges new winning STADIUM specifications developed to win Super-cross races



FRONT		SCORPION MX32™ MID SOFT		
	Size	Version	IP Codes	Notes
10	2.50 - 10 NHS 33J		3841800	
12	60/100 - 12 NHS 36M		3841900	
14	60/100 - 14 NHS 29M		3842000	
	80/100 - 14 NHS 40M		4431600	NEW
17	70/100 - 17 NHS 40M		4024400	
19	70/100 - 19 NHS 42M		3252600	
21	80/100 - 21 M/C 51M MST		2588300	
	80/100 - 21 M/C 51M MST	Stadium	4016500	Supercross
	90/100 - 21 M/C 57M M+S		4108200	

REAR		SCORPION MX32™ MID SOFT		
	Size	Version	IP Codes	Notes
10	2.75 - 10 NHS 37J		3842200	
12	80/100 - 12 NHS 50M		3842300	
14	90/100 - 14 NHS 49M		3842400	
16	90/100 - 16 NHS 51M		4238300	NEW
17	110/90 - 17 NHS 60M		4024600	
	100/90 - 19 NHS 57M		2588400	
19	110/85 - 19 NHS 61M		3556200	
	110/90 - 19 NHS 62M		2588500	
	110/90 - 19 NHS 62M	Stadium	4468800	NEW
	120/80 - 19 NHS 63M		3107500	
	120/80 - 19 NHS 63M	Stadium	4016600	Supercross
	120/90 - 19 NHS 66M		3842500	
	120/90 - 19 NHS 66M	Stadium	4130500	Supercross

MST = Multi Service Tyre  
 NHS = Not for highway service  
 M+S = Mud + Snow



# SCORPION™ MX32™ MID HARD

NEW SIZES

## THE CHOICE OF CHAMPIONS FOR THE BEST PERFORMANCES ON MID-HARD TO HARD TERRAINS

- The portfolio ranges new winning STADIUM specifications developed to win Super-cross races
- Best performance from intermediate to mid-hard terrain
- Ideal for fast and durable easy racing



### FRONT SCORPION MX32™ MID HARD

	Size	Version	IP Codes	Notes
<b>19</b>	70/100 - 19 NHS 42M		3657300	
<b>21</b>	80/100 - 21 M/C 51M MST		3556300	
	80/100 - 21 M/C 51M MST	Stadium	4016700	Supercross - NEW
	90/100 - 21 M/C 57M M+S		3842600	

### REAR SCORPION MX32™ MID HARD

	Size	Version	IP Codes	Notes
<b>16</b>	90/100 - 16 NHS 51M		3657400	NEW
<b>19</b>	100/90 - 19 NHS 57M		3107400	
	110/90 - 19 NHS 62M		3842700	
	110/90 - 19 NHS 62M	Stadium	4016800	Supercross
	120/80 - 19 NHS 63M		3842800	

MST = Multi Service Tyre  
 NHS = Not for highway service  
 M+S = Mud + Snow



# SCORPION™ MX EXTRA X

## THE OPTIMAL CHOICE FOR EASY RACING ON MULTIPLE TERRAINS

- Grip and traction on a wide range of terrain (from mid soft to mid hard)
- Perfect application for training
- Optimal compromise between performance and durability



FRONT		SCORPION MX EXTRA X		
	Size	Version	IP Codes	Notes
21	80/100 - 21 M/C 51M MST		2588600	

REAR		SCORPION MX EXTRA X		
	Size	Version	IP Codes	Notes
19	100/90 - 19 NHS 57M		2588700	
	110/90 - 19 NHS 62M		2588800	
	120/90 - 19 NHS 66M		4024700	

MST = Multi Service Tyre  
NHS = Not for highway service

# MT 16™ GARACROSS

## ALL-AROUND OFF-ROAD TIRE WITH GREAT DURABILITY

- High level of grip
- Traction and grip in changing conditions terrains



FRONT		MT 16 GARACROSS		
	Size	Version	IP Codes	Notes
21	80/100 - 21 M/C 51R MST		1418500	

REAR		MT 16 GARACROSS		
	Size	Version	IP Codes	Notes
18	110/100 - 18 NHS (64)		1418700	
	120/100 - 18 NHS (59)		1418600	

MST = Multi Service Tyre  
NHS = Not for highway service

## SCORPION™ XC MID SOFT

### WINNING CROSS-COUNTRY TYRE IN MID SOFT CONDITIONS

- High Module Low Shrinkage polyester carcass for regular and large footprint area to maximize traction and braking
- Optimised steering precision and traction provided by the small hard blocks on the front
- Racing compound for a high performance level for the entire race, regardless of conditions



FRONT		SCORPION XC MID SOFT			
	Size	Version	IP Codes	Notes	
21	80/100 - 21 M/C 51R MST		3888600		

REAR		SCORPION XC MID SOFT			
	Size	Version	IP Codes	Notes	
18	110/100 - 18 NHS 64M		3556600		
	120/100 - 18 NHS 68M		3556700		

MST = Multi Service Tyre

## SCORPION™ XC MID HARD

### ULTIMATE CROSS-COUNTRY TYRE FOR MEDIUM TO HARD TERRAIN

- High stability, cornering precision and good puncture resistance thanks to carcass stiffness
- Long lasting off-road performance and block tearing resistance provided by special off - road compound
- Blocks layout optimized to increase the number of blocks on contact area and the quantity of working edges for maximum grip and traction
- Heavy duty and DOT homologated



FRONT		SCORPION XC MID HARD			
	Size	Version	IP Codes	Notes	
21	80/100 - 21 NHS 51R		3107800		

REAR		SCORPION XC MID HARD			
	Size	Version	IP Codes	Notes	
18	100/100 - 18 NHS 59R		3107900		
	110/100 - 18 M/C 64M MST		4344200		
	120/100 - 18 M/C 68M MST		4253900		
	140/80 - 18 M/C 70M M+S		1804600		

MST = Multi Service Tyre  
M+S = Mud + Snow  
NHS = Not Highway Service

# MT 43™ PRO TRIAL

## TRIAL BIKES, TRAIL FUN

- Road legal trial equipment
- Reliable and durable on hard, wet and dry terrain



FRONT		MT 43 PRO TRIAL		
	Size	Version	IP Codes	Notes
<b>21</b>	2.75 - 21 45P TL		1414400	

REAR		MT 43 PRO TRIAL		
	Size	Version	IP Codes	Notes
<b>18</b>	4.00 - 18 64P DP TL		1414500	

DP = Dual Purpose  
TL=Tubeless



# MOUSSE



Mousses are rubber foam equipments which – beside preventing flat tyres during through off-road sections – feature dynamic properties capable to make faster, more efficient or simply effortless the off-road racing.

PIRELLI mousses are intended to replace inner tubes in off-road tyres for both motocross and Enduro competitions; once fitted, PIRELLI mousses simulate an equivalent inflation pressure to 0.7bar +/-0.1, far below the pressure advised for on-road use.

Particular attention must be then paid to suspension settings when racing with mousses.

PIRELLI mousse are marked NHS, which means they must not be used on public roads.

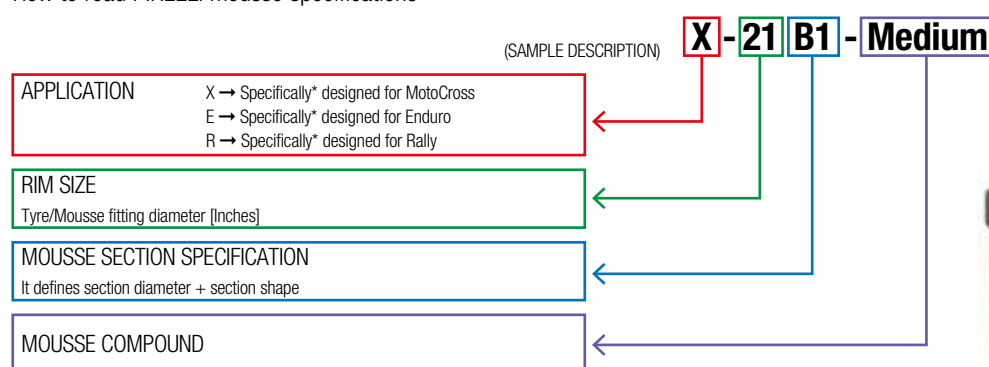
When fitting a mousse, the mounting lubricant gel must be spread completely inside the tyre, avoiding the beads.

PIRELLI mousse are available in 12", 14", 16", 18", 19" and 21" fitments, and must be fitted using PIRELLI mousse gel.

## MOUSSE

Ipcode	Desc – Service	Application	Suggested Tyre	Fitment
9361100	MOUSSE X-21B2-Medium	CROSS	80/100-21	F
9254600	MOUSSE X-19D1-Medium	CROSS	100/90-19, 110/85-19	R
9254700	MOUSSE X-19E1-Medium	CROSS	110/90-19, 110/100-18	R
9254900	MOUSSE X-19F1-Medium	CROSS	120/80-19, 120/90-19	R
9254000	MOUSSE E-21C1-Medium	ENDURO	80/100-21, 90/90-21, 90/100-21	F
9264800	MOUSSE R-18H1-Medium	ENDURO	140/80-18	R

How to read PIRELLI mousse specifications



## GEL

Description	IP Codes
GEL TUB 1 Kg	9203400

**PIRELLI**



# SCOOTER



650cc		<b>DIABLO ROSSO™ SCOOTER</b>	<b>ANGEL™ SCOOTER</b>	
500cc				
300cc				
200cc				
125cc	<b>DIABLO ROSSO™ SCOOTER SC</b>		<b>SC 30™</b>	
100cc				
50cc				
	<b>RACING</b>	<b>SPORT</b>	<b>TOURING</b>	<b>URBAN</b>

# DIABLO

ROSSO SCOOTER SC

## THE NEXT LEVEL FOR SCOOTER RACING.

- Specifically designed for the racing activity of sporty scooters
- Full Carbon-black racing compound for top grip and racing handling granted for the entire race
- Tread pattern with iconic flash design derived from Diablo Supercorsa
- Street legal



FRONT		DIABLO ROSSO™ SCOOTER SC			
	Size	Version	IP Codes	Notes	
12	100/90 - 12 M/C 64P TL Reinf		2903500		
14	110/80 - 14 M/C 53P TL		4411800	NEW	
15	120/70 - 15 M/C 56S TL		4109100	NEW	

REAR		DIABLO ROSSO™ SCOOTER SC			
	Size	Version	IP Codes	Notes	
12	120/80 - 12 M/C 55P TL		3626100		
14	140/70 - 14 M/C 62S TL		4288300	NEW	
	140/70 - 14 M/C 68S TL Reinf		4109200	NEW	

TL=Tubeless



# DIABLO

## ROSSO SCOOTER

**THE NEXT LEVEL FOR HIGH PERFORMANCE SCOOTERS WITH PIRELLI'S DIABLO™ FAMILY DNA. BRINGING MOTORCYCLE PERFORMANCE ON A SCOOTER TYRE. PROVIDING UNPRECEDENTED GRIP AND HANDLING.**

- Improved handling, absolute grip and performance in the wet combining all the latest technologies, materials, processes, and know-how achieved by PIRELLI in the racing activities
- Dedicated to riders with a sporty riding style, both in the urban environment and/or on winding roads or mountain passes
- High Silica Dual-Compound in radial rear sizes for high speed stability and excellent cornering grip



FRONT DIABLO ROSSO™ SCOOTER				
	Size	Version	IP Codes	Notes
10	100/90 - 10 56J TL		3995100	FRONT/REAR
12	110/70 - 12 47P TL		2925300	
	120/70 - 12 58P TL Reinf		2925400	FRONT/REAR
13	110/70 - 13 M/C 48P TL		3995400	
	120/70 - 13 M/C 53P TL		3995500	
14	100/80 - 14 M/C 54S TL Reinf		3995600	FRONT/REAR
	120/70 - 14 M/C 55S TL		2768500	
	120/70 R 14 M/C 55H TL		2768600	
	120/80 - 14 M/C 58S TL		2768700	FRONT/REAR
15	120/70 - 15 M/C 56S TL		2768800	
	120/70 R 15 M/C 56H TL		2768900	
16	120/70 R 16 M/C 57H TL		2769000	
17	120/70 R 17 M/C 58H TL		3828200	

REAR DIABLO ROSSO™ SCOOTER				
	Size	Version	IP Codes	Notes
12	130/70 - 12 62P TL Reinf		2925500	
13	110/70 - 13 M/C 54S TL Reinf		3995700	FRONT/REAR
	130/70 - 13 M/C 63P TL Reinf		3803700	
	140/70 - 13 M/C 61P TL		4017500	
14	150/70 - 13 M/C 64S TL		2769100	
	150/70 - 14 M/C 66S TL		2769200	
	160/60 R 14 M/C 65H TL		2769300	
15	160/60 R 15 M/C 67H TL		2769400	

TL=Tubeless



# SC 30™

## THE CLASSIC SCOOTER TYRE

- Restored original classic designed tread pattern design
- Wide tread profile and stiff carcass
- Updated compound and carcass materials for contemporary top safety standards



FRONT/REAR		SC 30		
	Size	Version	IP Codes	Notes
10	3.00 - 10 42J		4011900	
	3.50 - 10 51J		4012000	

TL=Tubeless



**THE GUARDIAN ANGEL FOR URBAN MOBILITY  
EXCELLENT COMFORT, TOP WET PERFORMANCE AND  
HANDLING FOR THE URBAN JUNGLE.**

- High comfort thanks to the combined action of stiff structures and tread pattern design
- High silica compound for top wet performance
- Dynamic urban handling thanks to the multi radius contour allowing quicker change of direction



FRONT ANGEL™ SCOOTER				
	Size	Version	IP Codes	Notes
<b>10</b>	3.00 - 10 50J TL Reinf		2903200	
	3.50 - 10 59J TL Reinf		2903000	
	80/90 - 10 44J TL		2903400	
	80/100 - 10 46J TL		2903300	
	100/80 - 10 53L TL		3843500	
	100/90 - 10 56J TL		2903100	
	110/80 - 10 58J TL		3843600	
	120/90 - 10 66J TL		3843800	
<b>11</b>	130/90 - 10 61J TL		3844000	
	110/70 - 11 45L TL		2924900	
<b>12</b>	90/90 - 12 44J TL		4017600	
	100/90 - 12 59J TL		3995000	
	110/70 - 12 47P TL		2769500	
	110/90 - 12 64P TL		2769600	
	110/100 - 12 67J TL		3844200	
	120/70 - 12 51L TL		4017700	
	120/70 - 12 51P TL		2769700	
<b>13</b>	120/70 - 12 51S TL		2769800	
	110/70 - 13 M/C 48P TL		2769900	
	110/70 - 13 M/C 48S TL		3078300	
	110/90 - 13 M/C 56P TL		2770000	
<b>14</b>	120/70 - 13 M/C 53P TL		2770100	
	80/80 - 14 M/C 43S TL Reinf		2925700	
	90/80 - 14 M/C 49S TL Reinf		2770200	FRONT/REAR
<b>15</b>	120/70 - 14 M/C 55P TL		2770300	FRONT/REAR
	120/70 - 14 M/C 55P TL		2770400	
<b>16</b>	120/70 - 15 M/C 56P TL		2770500	
	90/80 - 16 M/C 51S TL Reinf		2902200	FRONT/REAR
<b>16</b>	100/80 - 16 M/C 50P TL		2770600	
	110/70 - 16 M/C 52P TL		2770700	FRONT/REAR
	110/70 - 16 M/C 52S TL		2770800	

**SPECIAL VERSION**

**Rear B** 150/70 - 14 M/C 66S TL 3567600. OE **Piaggio Beverly 350**

REAR ANGEL™ SCOOTER				
	Size	Version	IP Codes	Notes
<b>10</b>	90/90 - 10 50J TL		2902900	FRONT/REAR
	120/70 - 10 54L TL Reinf		3843700	FRONT/REAR
	130/70 - 10 59L TL Reinf		3843900	FRONT/REAR
<b>11</b>	120/70 - 11 56L TL Reinf		2925000	FRONT/REAR
	130/70 - 11 60L TL Reinf		3844100	FRONT/REAR
<b>12</b>	120/70 - 12 58P TL Reinf		2770900	
	130/70 - 12 56L TL		4017800	FRONT/REAR
	130/70 - 12 62P TL Reinf		2771000	FRONT/REAR
	140/70 - 12 65P TL Reinf		2771100	
<b>13</b>	110/70 - 13 M/C 54S TL Reinf		4108800	FRONT/REAR
	130/60 - 13 M/C 60P TL Reinf		2771400	FRONT/REAR
	130/70 - 13 M/C 63P TL Reinf		2771200	
	140/60 - 13 M/C 63P TL Reinf		2771300	
	140/70 - 13 M/C 61P TL		2902100	
<b>14</b>	150/70 - 13 M/C 64S TL		3107300	
	100/80 - 14 M/C 54S TL Reinf		2902300	FRONT/REAR
	100/90 - 14 M/C 57P TL Reinf		3445700	
	110/70 - 14 M/C 56S TL Reinf		2925600	
	110/80 - 14 M/C 59S TL Reinf		2902800	FRONT/REAR
	120/80 - 14 M/C 58P TL		2864000	FRONT/REAR
	140/60 - 14 M/C 64P TL Reinf		2771500	
	140/60 - 14 M/C 64S TL Reinf		2854300	
	140/70 - 14 M/C 68P TL Reinf		2771600	
	140/70 - 14 M/C 68S TL Reinf		2771700	
<b>15</b>	150/70 - 14 M/C 66P TL		2771800	
	150/70 - 14 M/C 66S TL		2771900	
	150/70 - 14 M/C 66S TL	(B)	3567600	Piaggio Beverly 350
	130/80 - 15 M/C 63S TL		2854400	
	<b>16</b> 120/80 - 16 M/C 60P TL		2772000	
<b>16</b>	130/70 - 16 M/C 61P TL		2772100	
	130/70 - 16 M/C 61S TL		3783900	
	130/70 R 16 M/C 61S TL		2772200	
	130/80 - 16 M/C 64P TL		2772300	
	140/70 - 16 M/C 65P TL		2772400	

TL=Tubeless

## PIRELLI - Flaps

Size	IP Codes
15/28	9108100
15/46	9067200
16-17/28	9067400
17/42	9067600
17/60	9072100
18-19/23	9067700
18-19/42	9289500
18-19/50 L	9260000

## PIRELLI - Tubes

	Size	Version	IP Codes	Notes
10	ME-D10V1-09-1	V1-09-01	2552710	2.50-10, 2.75-10
	10 C 10	V1-08-01	2598310	3.00-10, 3.50-10, 80/90-10, 90/90-10, 100/80-10, 100/90-10, 110/80-10, 120/90-10
12	MA 12 M/C	V1-09-01	2552810	80/100-12
14	MB 14 M/C	V1-09-01	2598510	90/100-14, 110/80-14
	MA 14 M/C	V1-09-01	2598610	60/100-14
	MH 14V1-09-1	V1-09-01	2110610	80/100-14
15	MD 16 M/C	V1-09-01	2552310	130/90-16, 140/80-16, 150/80-16, 130/90-15, 140/90-15, 150/90-15, 140/90-16, MU85-16, MT90 -16, MU90-16
	MD 15/16	V1-09-01	3849510	160/70-15, 140/80-15, 150/80-15, 160/80-15, 130/90-15, 140/90-15, 150/90-15, MU90-15, 160/70-16, 140/80-16, 150/80-16, 160/80-16, 130/90-16, 140/90-16, 150/90-16, MU90-16, MT90-16, MU85-16
16	MB 16 M/C	V1-09-01	2108910	3.1/4-16, 3.00-16, 3.25-16, 3.50-16, 90/90-16, 100/90-16, 110/80-16, 80/100-16, 90/100-16
	MC 16 M/C	V1-09-01	2598710	110/90-16, 120/80-16, 120/90-16, 4.60-16, 130/70-16; 4.50-16; 130/80-16; 110/70-16; 120/70-16
17	MA 17 M/C	V1-09-01	2108210	2.75-17, 3.00-17, 3.25-17, 3.50-17, 3.75-17, 70/100-17, 80/100-17, 90/90-17, 90/80-17, 100/80-17
	MC 17V1-09-1(*)	V1-09-01	2108510	4.00-17, 4.60-17, 110/80-17, 110/90-17, 120/70-17, 120/80-17, 120/90-17, 130/70-17, 110/70-17
	MD 17 M/C	V1-09-01	2108610	5.10-17, 130/80-17, 130/90-17, 140/70-17, 140/80-17, 150/70-17, 160/60-17, 160/70-17
	MB 17V1-09-1	V1-09-01	3557010	110/70R17 , 110/70-17, 120/65-17, 120/60-17
	MH 17TR4E	V1-09-01	2109810	2.25-17, 2.50-17, 60/100-17
18	MA 18V1-09-1(*)	V1-09-01	2107610	3.1/4-18, 2.50-18, 2.75-18, 3.00-18, 3.25-18, 90/90-18, 100/80-18, 80/100-18
	MB 18V1-09-1(*)	V1-09-01	2107710	3.50-18, 4.00-18, 4.10-18, 120/70-18, 100/90-18, 110/80-18, 90/100-18, 110/100-18
	MD 18V1-09-1(*)	V1-09-01	2107810	4.00-18, 4.25-18, 4.50-18, 4.60-18, 5.10-18, 120/80-18, 110/90-18, 120/90-18, 130/80-18 , 100/100-18 , 130/90-18, 140/70-18, 140/80-18, 150/70-18
	21 B 18 NHS	V1-09-01	2552510	100/100-18, 110/100-18, 120/100-18
19	MA 19V1-09-1(*)	V1-09-01	2107910	2,75-19, 3.00-19, 3.25-19, 3.60-19, 90/90-19
	MH 19V1-09-1(*)	V1-09-01	2110510	2.50-19 , 70/100-19
	MC 19V1-09-1(*)	V1-09-01	2552210	100/80-19, 100/90-19, 110/90-19, 110/80-19, 120/80-19
	21 B 19 NHSV1-09-1(*)	V1-09-01	2552610	100/90-19, 110/90-19, 110/80-19, 120/80-19, 130/80-19, 140/80-19
21	MA 21V1-09-1(*)	V1-09-01	2108110	2.50-21, 2.75-21, 3.00-21, 70/90-21, 80/90-21, 90/90-21, 80/100-21
	10 B 21 NHSV1-09-1	V1-09-01	2596710	3.00-21, 80/100-21, 90/90-21



# PIRELLI - Moto tubes

T-rim	Application	PROD-ID	Description		Thickness (mm)	ValveDIN	Valve ETRTO	Valve TRA	Valve Bend	Valve Pos	Application
10	2.50 - 10	2552710	MA 10 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	2.75 - 10	2552710	MA 10 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
12	60/100 - 12	2598910	MH 12 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	80/100 - 12	2552810	MA 12 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
14	60/100 - 14	2598610	MA 14 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	90/100 - 14	2598510	MB 14 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	110/80 - 14	2598510	MB 14 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
15	130/90 - 15	2552310	MD 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
16	80/100 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	90/100 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3-1/4 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.00 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.25 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.50 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	90/90 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	100/90 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	110/90 - 16	2598710	MC 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	120/90 - 16	2598710	MC 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	130/90 - 16	2552310	MD 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	140/90 - 16	2552310	MD 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	150/90 - 16	2552310	MD 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	110/80 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	120/80 - 16	2598710	MC 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
130/80 - 16	2552310	MD 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO	
140/80 - 16	2552310	MD 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO	
150/80 - 16	2552310	MD 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO	
110/70 - 16	2108910	MB 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO	
140/70 - 16	2598710	MC 16 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO	
17	70/100 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	2.75 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.00 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.25 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.50 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.75 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	4.00 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	4.60 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	5.10 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	110/90 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	120/90 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	130/90 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	90/80 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	100/80 - 17	2108210	MA 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	110/80 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	120/80 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	130/80 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	140/80 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	120/70 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	120/70 R 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	130/70 - 17	2108510	MC 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	140/70 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	150/70 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
160/70 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO	
160/60 - 17	2108610	MD 17 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO	



## PIRELLI - Moto tubes

T-rim	Application	PROD-ID	Description		Thickness (mm)	ValveDIN	Valve ETRTO	Valve TRA	Valve Bend	Valve Pos	Application
21	80/100 - 21	2596710	10 B 21 NHS	Tube PI Valve V1-09-1	2,50	34G	V1-09-1	TR4			970 - TUBE MOTO
	80/100 - 21	2108110	MA 21 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	90/100 - 21	2596710	10 B 21 NHS	Tube PI Valve V1-09-1	2,50	34G	V1-09-1	TR4			970 - TUBE MOTO
	2.50 - 21	2108110	MA 21 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	2.75 - 21	2108110	MA 21 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.00 - 21	2596710	10 B 21 NHS	Tube PI Valve V1-09-1	2,50	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.00 - 21	2108110	MA 21 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	3.25 - 21	2596710	10 B 21 NHS	Tube PI Valve V1-09-1	2,50	34G	V1-09-1	TR4			970 - TUBE MOTO
	70/90 - 21	2108110	MA 21 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	80/90 - 21	2108110	MA 21 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO
	90/90 - 21	2596710	10 B 21 NHS	Tube PI Valve V1-09-1	2,50	34G	V1-09-1	TR4			970 - TUBE MOTO
	90/90 - 21	2108110	MA 21 M/C	Tube PI Valve V1-09-1	1,40	34G	V1-09-1	TR4			970 - TUBE MOTO

## PIRELLI - Scooter tubes

T-rim	Application	PROD-ID	Description		Thickness (mm)	ValveDIN	Valve ETRTO	Valve TRA	Valve Bend	Valve Pos	Application
10	3.00 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER
	3.50 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER
	80/90 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER
	100/90 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER
	100/80 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER
	110/80 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER
	120/70 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER
	130/70 - 10	2598310	10 C 10	Tube PI Valve V1-08-1	1,40	33G/90	V1-08-1	~TR87	90		971 - TUBE SCOOTER

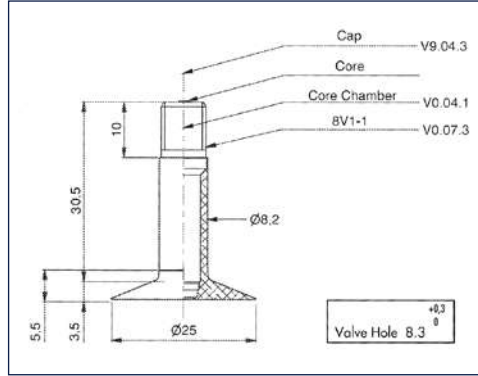
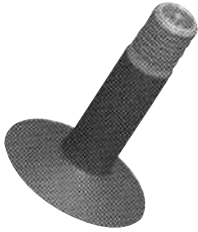
## PIRELLI - Moped tubes

T-rim	Application	PROD-ID	Description		ValveDIN	Valve ETRTO	Valve TRA	Valve Bend	Valve Pos	Application
14	2-1/2 - 14	0648510	6 M 14	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2-1/4 - 14	0648510	6 M 14	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2-3/4 - 14	0648510	6 M 14	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	80/80 - 14	0648510	6 M 14	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
16	2-1/2 - 16	0640810	7 A 16	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2-1/4 - 16	0781010	6 E 16	Tube PI Valve V1-06-1		V1-07-1	TR1			974 - TUBE MOPED
	2-1/4 - 16	0640810	7 A 16	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2-3/4 - 16	0640810	7 A 16	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2.25 - 16	0640810	7 A 16	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2.50 - 16	0640810	7 A 16	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
17	2 - 17	0639010	5 A 17	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2-1/2 - 17	0639410	7 A 17	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2-1/4 - 17	0639410	7 A 17	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2-3/4 - 17	0639410	7 A 17	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2.25 - 17	0639410	7 A 17	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED
	2.50 - 17	0639410	7 A 17	Tube PI Valve V1-09-1	34G	V1-09-1	TR4			974 - TUBE MOPED

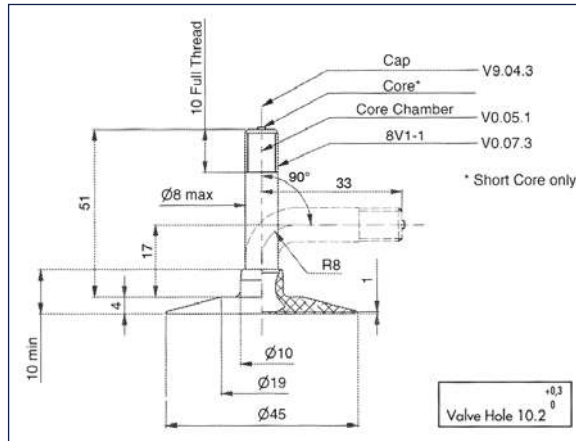
# Valve description

Following valve types are used among the Pirelli tubes range.  
Find the corresponding dimensional description of each valve type.

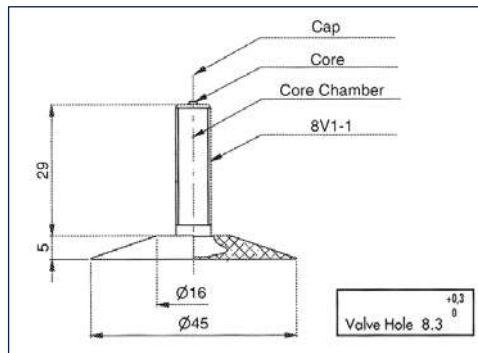
**V1-07-1**



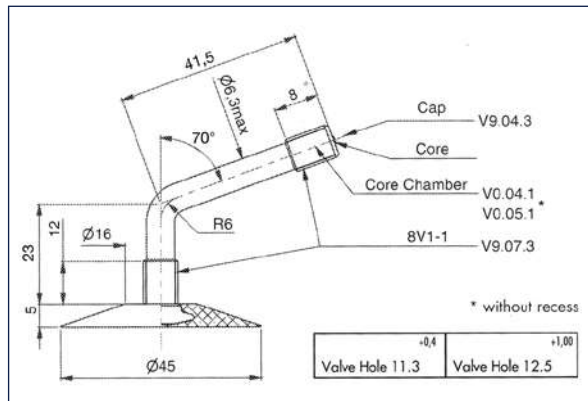
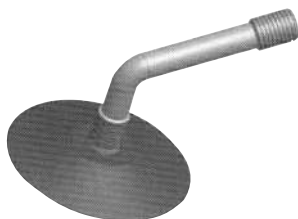
**V1-08-1**



**V1-09-1**



**V6-02-1**



Normen				
Europa ETRTO	D DIN	USA TRA	Biege-winkel	Position
V1-07-1	-	TR1		
V1-08-1	33G/90°	*TR87	90	SV
V1-09-1	34G	TR4		
V1-09-1	34G	TR4		SV
V6-02-1	41.5G/70°	-	70	SV

SV = Seitenventil



















# Technical Data

Category	Rim	Description	Pattern Set	Application	F/R	IP Code	Footnote	Measuring Rim width	Permitted Rim width range	Max width in service	Diameter in service	Centrifugal radius at V-Max (W=240 km/h)	Rolling Circumference +/- 2%	Load capacity (kg)	V-max	Tube
Scooter	13	140/70 - 13 M/C 61P TL	Diablo Rosso Scooter	Scooter	REAR	4017500	7	-3.75-	3.50-4.50	162	540	273	1589	257	150	-
		150/70 - 13 M/C 64S TL	Angel Scooter	Scooter	REAR	3107300	7	-4.25-	3.50-4.50	169	554	281	1631	280	180	-
		150/70 - 13 M/C 64S TL	Diablo Rosso Scooter	Scooter	REAR	2769100	7	-4.25-	3.50-4.50	169	554	281	1631	280	180	-
	14	100/80 - 14 M/C 54S reinf. TL	Angel Scooter	Scooter	F/R	2902300	7	-2.50-	2.15-2.75	114	528	266	1558	212	180	-
		100/80 - 14 M/C 54S TL reinf.	Diablo Rosso Scooter	Scooter	F/R	3995600	7	-2.50-	2.15-2.75	114	528	266	1558	212	180	-
		100/90 - 14 M/C 57P reinf. TL	Angel Scooter	Scooter	REAR	3445700	7	-2.50-	2.15-2.75	114	542	250	1619	230	150	-
		110/70 - 14 M/C 56S reinf. TL	Angel Scooter	Scooter	REAR	2925600	7	-3.00-	2.50-3.50	127	520	263	1540	224	180	-
		110/80 - 14 M/C 59S reinf. TL	Angel Scooter	Scooter	F/R	2902800	7	-2.50-	2.15-3.00	125	544	275	1607	243	180	MB 14
		110/80 - 14 M/C 59S reinf. TL	Diablo Rosso Scooter SC	Scooter	FRONT	4411800	7	-2.50-	2.15-3.00	125	544	275	1607	243	180	MB 14
		120/70 - 14 M/C 55P TL	Angel Scooter	Scooter	F/R	2770300	7	-3.50-	2.75-3.75	137	536	270	1582	218	150	-
		120/70 - 14 M/C 55S TL	Diablo Rosso Scooter	Scooter	FRONT	2768500	7	-3.50-	2.75-3.75	137	536	270	1582	218	180	-
		120/70 R 14 M/C 55H TL	Diablo Rosso Scooter	Scooter	FRONT	2768600	7	-3.50-	3.50-3.75	134	536	270	1582	218	210	-
		120/80 - 14 M/C 58P TL	Angel Scooter	Scooter	F/R	2864000	7	-2.75-	2.50-3.00	134	562	284	1655	236	150	-
		120/80 - 14 M/C 58S TL	Diablo Rosso Scooter	Scooter	F/R	2768700	7	-2.75-	2.50-3.00	134	562	284	1655	236	180	-
		140/60 - 14 M/C 64P reinf. TL	Angel Scooter	Scooter	REAR	2771500	7	-3.75-	3.50-4.50	162	536	270	1582	280	150	-
		140/60 - 14 M/C 64S reinf. TL	Angel Scooter	Scooter	REAR	2854300	7	-3.75-	3.50-4.50	162	536	270	1582	280	180	-
		140/70 - 14 M/C 68P reinf. TL	Angel Scooter	Scooter	REAR	2771600	7	-3.75-	3.50-4.50	160	566	286	1667	315	150	-
		140/70 - 14 M/C 68S reinf. TL	Angel Scooter	Scooter	REAR	2771700	7	-3.75-	3.50-4.50	160	566	286	1667	315	180	-
		140/70 - 14 M/C 68S reinf. TL	Diablo Rosso Scooter SC	Scooter	REAR	4109200	7	-3.75-	3.50-4.50	160	566	286	1667	315	180	-
		140/70 - 14 M/C 62S TL	Diablo Rosso Scooter SC	Scooter	REAR	4288300	7	-3.75-	3.50-4.50	160	566	286	1667	265	180	-
		150/70 - 14 M/C 66P TL	Angel Scooter	Scooter	REAR	2771800	7	-4.25-	3.50-4.50	169	580	294	1709	300	150	-
		150/70 - 14 M/C 66S TL	Angel Scooter	Scooter	REAR	2771900	7	-4.25-	3.50-4.50	169	580	294	1709	300	180	-
		150/70 - 14 M/C 66S TL	Angel Scooter B	Scooter	REAR	3567600	7	-4.25-	3.50-4.50	169	580	294	1709	300	180	-
		150/70 - 14 M/C 66S TL	Diablo Rosso Scooter	Scooter	REAR	2769200	7	-4.25-	3.50-4.50	169	580	294	1709	300	180	-
		160/60 R 14 M/C 65H TL	Diablo Rosso Scooter	Scooter	REAR	2769300	7	-4.50-	4.25-5.00	177	562	284	1655	290	210	-
		80/80 - 14 M/C 43S reinf. TL	Angel Scooter	Scooter	FRONT	2925700	7	-1.85-	1.60-2.15	91	492	248	1462	155	180	-
		90/80 - 14 M/C 49S reinf. TL	Angel Scooter	Scooter	F/R	2770200	7	-2.15-	1.85-2.50	103	510	257	1510	185	180	-
	15	120/70 - 15 M/C 56P TL	Angel Scooter	Scooter	FRONT	2770400	7	-3.50-	2.75-3.75	136	561	281	1658	224	150	-
		120/70 - 15 M/C 56S TL	Angel Scooter	Scooter	FRONT	2770500	7	-3.50-	2.75-3.75	136	561	283	1658	224	180	-
		120/70 - 15 M/C 56S TL	Diablo Rosso Scooter	Scooter	FRONT	2768800	7	-3.50-	2.75-3.75	136	561	283	1658	224	180	-
		120/70 - 15 M/C 56S TL	Diablo Rosso Scooter SC	Scooter	FRONT	4109100	7	-3.50-	2.75-3.75	136	561	283	1658	224	180	-
		120/70 R 15 M/C 56H TL	Diablo Rosso Scooter	Scooter	FRONT	2768900	7	-3.50-	3.50-3.75	134	561	283	1658	224	210	-
		130/80 - 15 M/C 63S TL	Angel Scooter	Scooter	REAR	2854400	7	-3.00-	2.50-3.50	147	603	305	1779	272	180	-
		160/60 R 15 M/C 67H TL	Diablo Rosso Scooter	Scooter	REAR	2769400	7	-4.50-	4.25-5.00	177	587	296	1730	307	210	-
	16	100/80 - 16 M/C 50P TL	Angel Scooter	Scooter	FRONT	2770600	7	-2.50-	2.15-2.75	114	578	289	1709	190	150	-
		110/70 - 16 M/C 52P TL	Angel Scooter	Scooter	F/R	2770700	7	-3.00-	2.50-3.50	126	570	288	1691	200	150	-
		110/70 - 16 M/C 52S TL	Angel Scooter	Scooter	FRONT	2770800	7	-3.00-	2.50-3.50	126	570	288	1691	200	180	-
		120/70 R 16 M/C 57H TL	Diablo Rosso Scooter	Scooter	FRONT	2769000	7	-3.75-	3.50-3.75	137	586	295	1733	230	210	-
		120/80 - 16 M/C 60P TL	Angel Scooter	Scooter	REAR	2772000	7	-2.75-	2.50-3.00	133	612	309	1806	250	150	MC 16
		130/70 - 16 M/C 61P TL	Angel Scooter	Scooter	REAR	2772100	7	-3.50-	3.00-4.00	147	600	303	1776	257	150	-
		130/70 - 16 M/C 61S TL	Angel Scooter	Scooter	REAR	3783900	7	-3.50-	3.00-4.00	147	600	303	1776	257	180	-
		130/70 R 16 M/C 61S TL	Angel Scooter	Scooter	REAR	2772200	7	-3.50-	3.50-4.00	143	600	303	1776	257	180	-
		130/80 - 16 M/C 64P TL	Angel Scooter	Scooter	REAR	2772300	7	-3.00-	2.50-3.50	147	628	314	1854	280	150	-
		140/70 - 16 M/C 65P TL	Angel Scooter	Scooter	REAR	2772400	7	-3.75-	3.50-4.50	160	616	311	1818	290	150	-
		90/80 - 16 M/C 51S reinf. TL	Angel Scooter	Scooter	F/R	2902200	7	-2.15-	1.85-2.50	103	560	282	1661	195	180	-
	17	120/70 R 17M/C 58H TL	Diablo Rosso Scooter	Scooter	FRONT	3828200	7	-3.50-	3.50-3.75	134	612	308	1812	236	210	MC 17

# Comparative chart for metric-decimal size description

Tyre Size	Load index		Permitted rim width	alphanumeric	Tyre size		80
	standard	reinforced			Metric		
					100	90	
2.75 - 16	40	46	1.50 - 1.85	MH 90 - 16	80 / 100 - 16	80 / 90 - 16	90 / 80 - 16
3.00 - 16	40	48	1.60 - 2.15	MH 90 - 16	90 / 100 - 16	90 / 90 - 16	100 / 80 - 16
3.25 - 16	48	55	1.85 - 2.50	MJ 90 - 16	100 / 100 - 16	100 / 90 - 16	110 / 80 - 16
3.50 - 16	52	58	1.85 - 2.50	ML 90 - 16	100 / 100 - 16	100 / 90 - 16	110 / 80 - 16
4.60 - 16	59	58	1.85 - 3.00	MM 90 - 16	100 / 100 - 16	110 / 90 - 16	120 / 80 - 16
5.00 - 16	72	74	2.50 - 3.50	MT 90 - 16	120 / 100 - 16	130 / 90 - 16	140 / 80 - 16
5.50 - 16	75	77	2.50 - 3.50	MU 85 - 16	130 / 100 - 16	140 / 90 - 16	150 / 80 - 16
2.75 - 17	41	47	1.50 - 1.85	MH 90 - 17	80 / 100 - 17	80 / 90 - 17	90 / 80 - 17
3.00 - 17	41	50	1.60 - 2.15	MH 90 - 17	90 / 100 - 17	90 / 90 - 17	100 / 80 - 17
4.50 - 17	67	50	2.15 - 3.00	MR 90 - 17	110 / 100 - 17	130 / 90 - 17	140 / 80 - 17
4.60 - 17	62	50	1.85 - 3.00	MS 90 - 17	100 / 100 - 17	110 / 90 - 17	120 / 80 - 17
5.10 - 17	67	50	2.50 - 3.50	MT 90 - 17	110 / 100 - 17	130 / 90 - 17	140 / 80 - 17
2.75 - 18	42	48	1.50 - 1.85	MH 90 - 18	80 / 100 - 18	80 / 90 - 18	90 / 80 - 18
3.00 - 18	47	52	1.60 - 2.15	MH 90 - 18	90 / 100 - 18	90 / 90 - 18	100 / 80 - 18
3.25 - 18	52	59	1.85 - 2.50	MJ 90 - 18	100 / 100 - 18	100 / 90 - 18	110 / 80 - 18
3.50 - 18	56	62	1.85 - 2.50	ML 90 - 18	100 / 100 - 18	100 / 90 - 18	110 / 80 - 18
3.60 - 18	51	62	1.85 - 2.50	MH 90 - 18	100 / 100 - 18	90 / 90 - 18	100 / 80 - 18
4.00 - 18	64	69	2.15 - 3.00	MN 90 - 18	110 / 100 - 18	120 / 90 - 18	130 / 80 - 18
4.10 - 18	60	69	1.85 - 3.00	ML 90 - 18	100 / 100 - 18	100 / 90 - 18	110 / 80 - 18
4.25/85 - 18	64	69	1.85 - 3.00	MM 90 - 18	110 / 100 - 18	110 / 90 - 18	120 / 80 - 18
4.25 - 18	66	69	2.15 - 3.00	ML 90 - 18	110 / 100 - 18	120 / 90 - 18	130 / 80 - 18
4.60 - 18	63	69	1.85 - 3.00	MR 90 - 18	110 / 100 - 18	120 / 90 - 18	130 / 80 - 18
3.00 - 19	49	54	1.60 - 2.15	MH 90 - 19	90 / 100 - 19	90 / 90 - 19	100 / 80 - 19
3.25 - 19	54	54	1.85 - 2.50	MJ 90 - 19	100 / 100 - 19	100 / 90 - 19	110 / 80 - 19
3.50 - 19	57	54	1.85 - 2.50	ML 90 - 19	100 / 100 - 19	100 / 90 - 19	110 / 80 - 19
3.60 - 19	52	54	1.85 - 2.50	MH 90 - 19	100 / 100 - 19	90 / 90 - 19	100 / 80 - 19
2.75 - 21	45	54	1.50 - 1.85	MH 90 - 21	80 / 100 - 21	80 / 90 - 21	90 / 80 - 21
3.00 - 21	51	57	1.60 - 2.15	MH 90 - 21	90 / 100 - 21	90 / 90 - 21	100 / 80 - 21

# Load capacity Charts

## LOAD CAPACITY (kg) FOR "V" - TYRES ABOVE 210 km/h

Tyre Size	Speed_kmh	VMAX	VMAX	220	230	240	250	260	270	280	Inflation pressure (bar)
110/90 - 16 M/C 59V TL	240		243	231	219	207	-	-	-	-	2,9
130/90 - 16 M/C 67V TL	240		307	292	276	261	-	-	-	-	2,9
120/80 - 16 M/C (60V) TL	>240	250	250	238	225	213	200	-	-	-	2,9
150/80 - 16 M/C (71V) TL	>240	250	345	328	311	293	276	-	-	-	2,9
130/90 - 17 M/C 68V TL	240		315	299	284	268	-	-	-	-	2,9
110/80 - 17 M/C 57V TL	240		230	219	207	196	-	-	-	-	2,9
120/70 - 17 M/C 58V TL	240		236	224	212	201	-	-	-	-	2,9
120/70 R 17 M/C 58V TL	240		236	224	212	201	-	-	-	-	2,9
150/70 - 17 M/C 69V TL	240						-	-	-	-	2,9
150/70 R 17 M/C 69V TL	240						-	-	-	-	2,9
160/60 R 17 69V TL	240		325	309	293	276	-	-	-	-	2,9
100/90 - 18 M/C 56V TL	240		224	213	202	190	-	-	-	-	2,9
110/90 - 18 M/C 61V TL	240		257	244	231	218	-	-	-	-	2,9
120/90 - 18 M/C 65V TL	240		290	276	261	247	-	-	-	-	2,9
110/80 - 18 M/C 58V TL	240		236	224	212	201	-	-	-	-	2,9
130/80 - 18 M/C 66V TL	240		300	285	270	255	-	-	-	-	2,9
140/70 - 18 M/C 67V TL	240						-	-	-	-	2,9
150/70 R 18 M/C 70V TL	240		335	318	302	285	-	-	-	-	2,9
100/90 - 19 M/C 57V TL	240		230	219	207	196	-	-	-	-	2,9
110/80 R 19 M/C 59V TL	240						-	-	-	-	2,9
90/90 - 21 M/C 54V TL	240						-	-	-	-	2,9

## LOAD CAPACITY (kg) FOR "V" - TYRES ABOVE 210 km/h

Tyre Size	Speed_kmh	VMAX	VMAX	220	230	240	250	260	270	280	Inflation pressure (bar)
140/80 VB 17 M/C (69V) TL	>240	270	325	309	293	276	260	244	228	-	2,9

## LOAD CAPACITY (kg) FOR "ZR" - TYRES ABOVE 240 km/h

Tyre Size	Pirelli Pattern	Speed_kmh	VMAX	240	250	260	270	280	290	300	310	320	Inflation pressure (bar)
130/70 ZR 16 M/C (61W) TL	Diablo Front	>270	280	257	244	218	193	167					2,9
110/70 ZR 17 M/C 54W TL	Diablo, Diablo Rosso II, Diablo Supercorsa SC	270	270	212	201	180	159						2,9
120/70 ZR 17 M/C 58W TL	Dragon Supercorsa PRO SC, Diablo Supercorsa SC, Scorpion Trail	270	270	236	224	201	177						2,9
120/70 ZR 17 M/C (58W) TL	Diablo, Diablo Strada, Angel ST, Angel ST A	>270	300	236	224	201	177	153	130	106			2,9
120/70 ZR 17 M/C (58W) TL	Diablo, Diablo Rosso II, Diablo Rosso III, Diablo Supercorsa SP, Diablo Supercorsa SP (C), Diablo Rosso Corsa	>270	320	236	224	201	177	153	130	106	83	59	2,9
150/70 ZR 17 M/C (69W) TL	Angel ST	>270	280	325	309	276	244	211					2,9
120/65 ZR 17 M/C (56W) TL	Diablo Corsa III Front	>270	290	224	213	190	168	146	123				2,9
120/60 ZR 17 M/C (55W) TL	Diablo, Diablo Strada, Angel ST, Diablo Rosso II, Diablo Rosso Corsa	>270	280	218	207	185	164	142					2,9
150/60 ZR 17 M/C 66W TL	Diablo Rosso II, Diablo Supercorsa SC	270	270	300	285	255	225						2,9
160/60 ZR 17 M/C 69W TL	Diablo Supercorsa SC, Scorpion Trail	270	270	325	309	276	244						2,9
160/60 ZR 17 M/C (69W) TL	Angel ST, Diablo Strada	>270	280	325	309	276	244	211					2,9
160/60 ZR 17 M/C (69W) TL	Diablo, Diablo Rosso II, Diablo Rosso Corsa	>270	290	325	309	276	244	211	179				2,9
170/60 ZR 17 M/C (72W) TL	Angel ST, Diablo Rosso II	>270	290	355	337	302	266	231	195				2,9
180/55 ZR 17 M/C 73W TL	Diablo Supercorsa SC, Dragon Supercorsa PRO SC, Scorpion Trail	270	270	365	347	310	274						2,9
180/55 ZR 17 M/C (73W) TL	Diablo, Diablo Rosso II, Diablo Rosso III, Diablo Rosso Corsa, Diablo Strada, Angel ST, Angel ST E, Diablo Supercorsa SP	>270	300	365	347	310	274	237	201	164			2,9
190/50 ZR 17 M/C (73W) TL	Diablo	>270	300	365	347	310	274	237	201	164			2,9
190/50 ZR 17 M/C (73W) TL	Diablo Rosso II, Angel ST, Angel ST N, Diablo Corsa III, Diablo Rosso Corsa, Diablo Supercorsa SP	>270	320	365	347	310	274	237	201	164	128	91	2,9
190/55 ZR 17 M/C 75W TL	Dragon Supercorsa PRO SC, Scorpion Trail	270	270	387	368	329	290						2,9
190/55 ZR 17 M/C (75W) TL	Diablo Corsa III, Diablo Rosso Corsa, Diablo Rosso II, Diablo Supercorsa SP	>270	320	387	368	329	290	252	213	174	135	97	2,9
200/50 ZR 17 M/C (75W) TL	Diablo	>270	320	387	368	329	290	252	213	174	135	97	2,9
200/55 ZR 17 M/C (78W) TL	Diablo Supercorsa SP	>270	320	425	404	361	319	276	234	191	149	106	2,9
240/45 ZR 17 M/C (82W) TL	Diablo Rosso II	>270	300	475	451	404	356	309	261	214			2,9
110/80 ZR 18 M/C (58W) TL	Angel ST	>270	280	236	224	201	177	153					2,9
120/70 ZR 18 M/C (59W) TL	Angel ST	>270	300	243	231	207	182	158	134	109			2,9
160/60 ZR 18 M/C (70W) TL	Angel ST	>270	280	335	318	285	251	218					2,9

The rating indicates the maximum speed and load the tyre is homologated for. The indications regarding speed rating and load capacity in the operating manual of the motorcycle must be followed. Tyres fitted on motorcycles must be marked with the same or higher indices. The load and speed indices (SI and LI) are indicated in the technical data for each PIRELLI tyre.

## EXAMPLE

PIRELLI MT 68E: 130/90-17 68 H TL The tyre has a load capacity (68) of max. 315 kg/694 lbs at its permitted max. speed (H) of 210 km/h/130 mph with format inflation pressure.

## LOAD INDEX

LI	Kg.	LI	Kg.	LI	Kg.	LI	Kg.	LI	Kg.	LI	Kg.	LI	Kg.	LI	Kg.
15	69	25	92.5	35	121	45	165	55	218	65	290	75	387	85	515
16	71	26	95	36	125	46	170	56	224	66	300	76	400	86	530
17	73	27	97.5	37	128	47	175	57	230	67	307	77	412	87	545
18	75	28	100	38	132	48	180	58	236	68	315	78	425	88	560
19	77.5	29	103	39	136	49	185	59	243	69	325	79	437	89	580
20	80	30	106	40	140	50	190	60	250	70	335	80	450	90	600
21	82.5	31	109	41	145	51	195	61	257	71	345	81	462		
22	85	32	112	42	150	52	200	62	265	72	355	82	475		
23	87.5	33	115	43	155	53	206	63	272	73	365	83	487		
24	90	34	118	44	160	54	212	64	280	77	375	84	500		

\* = at normal pressure

## SPEED INDEX

Symbol	Max Speed Km/h	Symbol	Max Speed Km/h	Symbol	Max Speed Km/h	Symbol	Max Speed Km/h	Symbol	Max Speed Km/h	Symbol	Max Speed Km/h
F	80	K	110	N	140	R	170	U	200	W	270
G	90	L	120	P	150	S	180	H	210	(W)	over 270
J	100	M	130	Q	160	T	190	V/VB	240		
								(V) (VB)	over 240		



# Technical guide/instruction

## TYRE PRESSURE

Always inflate the tyre to the correct pressure. Be sure to check cold inflation pressure frequently, i.e. once a week.

Although most motorcyclists love to work on their bikes, they seldom remember to check tyre pressures. Correct tyre pressure, however, is critical for safe handling. Overinflation or extreme tyre pressure will impair your riding comfort and decrease the contact of the tyre with the road. Underinflation or too little air pressure will result in poor handling and the bike will be inclined to „wander“. Improper and insufficient tyre pressure will also cause rapid tyre wear, an increase in fuel consumption, lower top speed, and provide less control. Remember to check the inflation pressure of your tyres weekly. **You will find the correct pressure in the operating manual of the motorcycle.**

Use PIRELLI's information only as reference.

Attention: When the recommended pressure has been changed for use off-road (race track, off-road), it must be reset to the correct value before riding on the street.

## CAUTION

To avoid the danger of air leakage, use only balancing weights which are approved by the motorcycle manufacturer, e.g. spoke nipple weights, lead wire or self adhesive rim weights. We do not recommend the use of liquid balancers or liquid balance/sealers. PIRELLI does not guarantee tyres into which these have been injected.

## DIFFERENT CONSTRUCTIONS

We have three distinct construction types: Bias tyres („-“), bias belted tyres („B“), and radial tyres („R“). The tyre's ability to carry side and peripheral forces differs for each distinct construction type. Therefore, a combination of different construction types can influence the motorcycle's performance. Only the tyre combinations listed in the motorcycle manufacturers fitment charts are allowed.

## DIFFERENT PATTERNS

PIRELLI offers both front and rear tyres in different profiles and for different types of use, so that the front and rear tyres can complement each other. It is not allowed to fit, for example, a street tyre with an off-road tyre.

## DYNAMOMETER USE

Dynamometer measurements place extreme loads on tyres. It's possible that damage, often invisible, can be caused during the testing which can lead, under certain conditions, to a failure later. Motorcycle tyres that have been used on a dynamometer must not be used later on the road.

## FRONT AND REAR BRAND

Using different brands of front and rear tyres simultaneously may cause problems. Regrettably, we cannot test PIRELLI tyres in combination with all our competitors' tyres, and therefore, we urge you - for safety reasons - to use PIRELLI tyres on both the front and rear.

## LIQUID SEALANTS

We do not recommend the use of liquid sealants. Liquid sealants are a form of temporary repair which can adversely affect ply material and hide any secondary damage caused by the penetrating object.

## LOAD CAPACITY

Tyres are offered in different load carrying capacities. It is extremely important not to exceed the max. load rating. You must take the weight of the motorcycle, the weight of any optional equipment, as well as the weight of a passenger and the total has not to be higher than the approved tyres load capacity indicated by the motorcycle manufacturers. A tyre's load carrying ability can be reduced by underinflation.

## NEW TYRES - NEW TUBES

PIRELLI tubes fit with PIRELLI tyres. Tubes are a vital part of the tube-type wheel assembly. They should be handled with care. A new tube should be fitted at the same time that a new tyre is fitted. An old stretched tube fitted into a new tyre, can cause it to crease and fail. Always make sure that your tyre size is printed on the tube, thereby ensuring that you have the correct tube size.

## NEW TUBELESS TYRES - NEW VALVES AND VALVE STEMS

When fitting a new tubeless tyre onto the tubeless-type rim of your motorcycle you should always use a new valve. We highly recommend this because the body of valves used in tubeless rims are made out of a rubber material, which will harden and age with the time. The aging and hardening process is accelerated when the valve comes into contact with oil, ozone and other hostile elements. When braking or accelerating, the valve is bent by dynamic forces. An old valve could brake under such forces and cause a sudden air loss. PIRELLI recommends the use of short valve stems. A high speeds the strong centrifugal forces work on the valve and the tension of the spring. The air pressure is not sufficient to keep the valve closed. Due to smaller mass of short valve stems (compared to long valve stems) the valve remains closed at high speeds.

## PIRELLI TUBELESS TYRES

When installing a tube in a PIRELLI tubeless tyre, never tighten the valve stem lock nut until the tyre is properly seated and inflated to the proper riding pressure. Whenever you install a tube, be sure not to pinch the tube and remember to dust the tube with talcum powder. Always use a valve cap.

## RADIAL TYRES

The fitment of tubes in radial tyres is possible under certain specific conditions. You will find the correct indications in the operating manual of the motorcycle. It is not recommended to fit a tube in a Radial Tubeless tyre marked "ZR".

## REPLACING A WORN TYRE

Remember, precise matching of front and rear tyres is necessary to obtain optimum performance and handling. When fitting a new front tyre, check the wear on the rear tyre. A new front tyre combined with worn rear tyre may cause instability. Please bear in mind that many other factors can affect the handling of a motorcycle, including the weight and height of the rider, and the addition of luggage of fairings. Please consult the motor-cycle manufacturer before making non standard modifications.

## RIMS

The section „Technical Data“ informs about all the permitted rims for that size; the one written in bold is the suggested one. Motorcycle tyres must be fitted to motorcycle rims only. New tyre marking description foresees the M/C symbol on the sidewall to identify tyres that can be fitted on motorcycle rims only. The correct rim width is important for handling characteristics and stability. Fitting a tyre to a too narrow or wide rim changes the tyre profile and gives a negative effect to the overall tyre performance.

## RUN-IN

In order for your new tyres to provide optimum performance, all new tyres should be ridden very cautiously for the first 100-200 kms.

Immediately after new tyres are mounted, sudden acceleration, heavy braking, and hard cornering must be avoided until the 100-200 Kms run-in period is completed.

## SPEED RATINGS

The speed index (S) indicates the maximum speed the tyre is homologated for. Even if PIRELLI tyres allow high speed performance ability, we do not recommend the use of any of our products in excess of legal speed limits. Tyres can have the same pattern and size, but a different speed rating, this is due to the tyre construction and therefore they will perform differently. When selecting your new PIRELLI motorcycle tyres, be sure to choose the right speed rating. Before buying, consult the fitment chart and the technical data in your PIRELLI manual or call us directly.

Maximum speed capability varies from size to size, but is always equal to or greater than that of the original equipment tyres when fitted in accordance with PIRELLI recommendations.

The use of a tyre with a higher speed rating (e.g. "H" instead of "S") is allowed only if it listed in the fitment chart. Especially in cases where the speed rating exceed 210 km/h, the PIRELLI recommendations must be respected.

## SUFFICIENT CLEARANCE

Before installing wheels/tyres onto your motorcycle be sure to check clearances. Indicated sizes will vary between brands and models. Remember to consult the motorcycle manufacturer before you decide to mount sizes other than those specified in this booklet. The physical dimensions must provide for adequate clearance fenders, swing arm etc. If you increase the tyre size, it may be necessary to increase the width of the rim as well. If you increase the tyre size and/or rim width, it is very important to rotate the wheel and examine it closely for ample clearance. Please refer to our „technical data“ section for more information on the dynamic radius of the tyre.

## TUBELESS TYRES

Tubeless tyres require a special bead seat, because the beads have to form an airtight seal on the rim. Not all cast wheels, aluminium or magnesium, are suitable for tubeless tyre fitment. Do not mount tyres without tubes, unless the wheel manufacturer recommends it. If a tube is inserted, it is then possible to fit a tubeless tyre to a tubetype rim.

## TYRE MOUNTING - IMPORTANT INFORMATION WARNING

Tyres are only to be used on vehicles for which motorcycle tyres were originally approved by the manufacturer. Any other use can be dangerous. Check if the tyre has directional arrows. If it does, you must mount the tyre so that the arrow points in the direction of rotation. Some PIRELLI tyres have a red dot on the side wall. This indicates the lightest point, and should be positioned next to the valve. To seat the bead please use tyre mounting lubricant or soapy water, remove the valve stem core and inflate the tyre. For safety reasons do not inflate motorcycle tyres to more than 40 psi (2,8 bar); for scooters tyres do not exceed 150 % of the indicated maximum pressure. Be sure to reinstall the valve stem core and inflate the tyre/tube to the recommended riding pressure. Check the bead control lines for proper seating. If the beads are not properly seated, you will have to deflate the tyres/tubes and repeat the above procedure.

## TREAD DEPTH

Legally the tyre has to be changed accordingly to the national law. PIRELLI recommends changing tyres when the remaining tread depth is below 2 mm.

## REGROVING

It is not permitted to regrove or cut the tread pattern of motorcycle tyres, as this might affect negatively the riding performance and safety.

# Technical guide/instruction

## **TYRE REPAIR**

Tubeless tyres: Due to the specific regulations of different national governments, we can not give a general recommendation regarding tyre repair.

Please refer to your distributor for information on your country's regulations. In case you are allowed to repair a tyre, we recommend that you repair only small punctures which are restricted to the tread area, by using a mushroom head type plug. The repairer is solely responsible for the repair and any instructions given to the user concerning the repaired tyre. Repaired tubeless tyres should never be used with a tube. Tubetype tyres: Tube repair is not permitted. Punctured tubetype tyres must have a new tube fitted. If punctured, in addition to having the replaced, the tyre and the rim have to be inspected by an expert. The puncture in the tyre should be repaired by a local vulcanisation, executed by a tyre repairer, so as to prevent moisture from attacking the tyre casing. The repairer is solely responsible to the user for the repair and any inspection of the repaired tyre.

## **TYRE SELECTION**

When choosing your new PIRELLI motorcycle tyres, you must make sure that they meet the requirements of your motorcycle and that they are suitable for the types of road you intend to ride on.

## **VALVE CAPS**

Centrifugal forces work on the valve stem. At high speeds they have the same effect as pushing on the valve with your finger. The tyre can deflate. The valve cap is the only part preventing it. Normally this phenomenon happens only at very high speeds. But an old or low quality valve stem can open at speeds lower than 200 km/h. Therefore the cap should always be tightly closed.

PIRELLI suggests the use of airtight metal caps with rubber seal.

## **VEHICLE FITMENT AND SIZE MATCHING**

When choosing tyres always make sure that the selected tyres matches the sizes, load capacity and speed index of the homologated tyre recommended by the vehicle manufacturer:

- Load and speed index must not be lower as indicated in the operating manual of the motorcycle.
- When fitting a new tyre check that there is no interfering with any mechanical parts of the vehicle especially at different running conditions.

## **NOTE:**

Variations of tyre size from those indicated by vehicle manufacturers, even if technically possible, must be in accordance with existing local regulations.

## **WHEEL ALIGNMENT**

Be sure to align your wheels every time the rear wheel is removed or the chain adjusted. Every rotation of an incorrectly aligned wheel results in additional tread wear, decreases tyre mileage, and affects steering and cornering.

## **WHEEL BALANCING**

Elastic bodies like tyres, cannot be constructed in a perfect, circular form, with perfect balance. Therefore, be sure to balance a new tyre after installing it. There are two ways to balance a tyre: static and dynamic balancing. Static balancing can be performed without rotating the wheel, and also measures the deviation of masses with respect to the wheel's center plane. PIRELLI recommends dynamic balancing for rims over 2,5 inches in width.

# Storage instructions

## RECEIPT OF TYRES – AREA OF CONSERVATION

In bad weather conditions, unloading at the time of receipt must be carried out in a covered area; in any event, if water is found inside the tyres, this must be removed immediately.

Unloading must not be carried out by dropping the tyres or by any other method which could damage the quality or visual aspect of the tyres. Tyres must not be moved by inserting the forks of a fork lift truck through the center of a tyre which could damage the bead area.

Tyres must be stored inside a clean, dry and ventilated area, protected from direct sunlight or other source of artificial light (illumination must be realized with lamps of low ultraviolet and infrared emission).

In the case of temporary external storage, the tyres must be covered (eg. with an impermeable opaque material) and protected from contact with water and humidity.

## TEMPERATURE

The storage temperature must be less than 35°C and preferably less than 25°C. A temperature greater than 50°C, especially if stock rotation is not sufficient, can result in accelerated forms of deterioration, such as to reduce the duration in use of the tyre. Avoid contact with heaters and radiators. Very low temperatures in the storage area are not in themselves damaging, but can provoke rigidity of the tyre. In this case, they must not be deformed during movement or fitting. If they are destined to be used immediately they are released from storage, it is necessary to keep them for a few hours in an area with a temperature of approximately 20°C.

## OXYGEN, OZONE AND CHEMICAL SUBSTANCES

Appliances which generate ozone must not be introduced into the storage area, also gas and vapors from combustion which can generate ozone via photo-chemical processes must be excluded from the area.

Neither the area or the equipment in the storage location must present traces of solvents, inflammable materials, lubricants, chemical products, acids, disinfectants, rubber solutions, etc. which could prejudice not only the visual aspect but also the characteristics of the product.

## DEFORMATION

Tyres must not be submitted to any deformation due to tension or compression.

## CRITERIA FOR STORAGE

### Storage for long periods

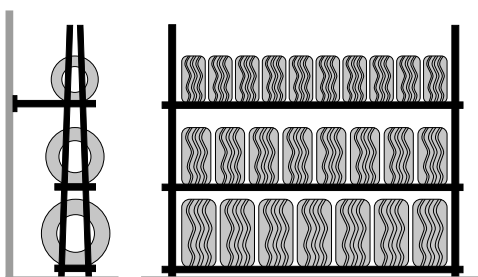


Fig. 1

The best method for storage is vertically in rows of one tyre high, on racks, positioned at least 10 cm from ground level, with the sidewalls positioned vertically, so that the profile is not altered (fig.1).

The vicinity or stacking of other racking or pallets must not deform the profile of the tyres. The number of tyres per row must be such as to not compromise the sidewalls.

### Short term storage

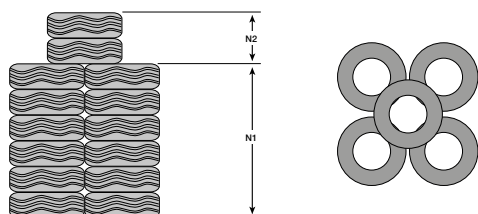


Fig. 2

Up to 4 weeks, tyres can be stored in stacks, one on top of the other, preferably on a fixed rack or on stackable pallets, periodically reforming the stack inverting the order of the tyres.

In all cases when tyres are stored in stacks, it is necessary to ensure that there is no partial misplacement from the vertical plane, in order to avoid any permanent deformation of the lower tyres in the stack.

## INNER TUBES AND VALVES

Whether inner tubes are supplied by the producer in single boxes, large boxes or wrapped in plastic film, it is always preferable to maintain the original packaging.

In alternative they can be stored also slightly inflated, inserted within the tyre, or piled deflated, up to a maximum height of 50 cm, on racking shelves with a closed base, accurately avoiding that the valve can damage the surface of the tube when squashed under the pressure of their own weight.

Ensure that the tubes do not overlap the edge of the plane on which they are stored to avoid accidental laceration.

It is not recommended to store on slatted pallets because the pressure applied to the tubes will not be uniform.

Do not hang inner tubes during storage.

Valves should be stored in their packaging in a clean, well ventilated and dry location.

## FLAPS

Flaps should preferably be placed within the tyre together with the inner tube. If they are stored separately, they should be placed horizontally, in a pile on a shelf, protected from dust, grease, humidity, ozone and direct sunlight.

To avoid deformation and stretching they must not be hung up in any way.

## STOCK ROTATION

The storage location must be organized in such a way as to guarantee constant stock rotation, limiting to the minimum the storage period of the tyres. Products which enter storage first must be the first to leave. First in, first out.

# The Motorcycle Tyre

## STRUCTURE AND CONSTRUCTION PRINCIPLES

As motorcycles have existed for over 100 years now their appearance has changed enormously. Modern Superbikes of the 90 have a little in common with the bicycle type constructions of early motorcycles. Only one part - the motorcycle tyre - has apparently remained the same to a lot of outsiders. It is only round and black!

But that is not all. The modern radial tyres of PIRELLI are high-tech products and only the name motorcycle tyre and the black colour have anything in common with the tyres of 100 years ago. Below you will find the various construction principles PIRELLI use today.

Each tyre, street, on-/off-road, moto cross, or scooter, has in general the following construction characteristics:

### TREAD PATTERN AND COMPOUND

The tread pattern is the outer part of the tyre, in contact with the road.

The profile and rubber compound are chosen based on the use of the tyre. The rubber compound especially, requires a high level of experience and technical know-how. In general it can be said that with a harder rubber compound mileage increases, and grip decreases. The softer the rubber compound, the more grip a tyre has, but the mileage is reduced.

### SIDEWALL

The sidewall is the „name plate“ of a tyre. The combinations of numbers and letters indicate not only the name of the tyre but also the maximum speed and load allowed. In the transmission of circumferential and side forces, as well as bump absorption the side wall plays an important role.

### CARCASS

The carcass is the basis of the whole system and gives the tyre its form. The materials used are one or more plies of Nylon or Rayon or Polyester. The main function of the carcass is to provide a flexible driving forces from the bead to the tread.

### BEAD

This is the component by which the tyre is fitted on the rim. It is reinforced by steel cores coated in rubber. They aid in transmitting the accelerating and braking torques, as well as to mechanically connect the tyre to the rim and to ensure against loss of inflation pressure.

## THE MOST POPULAR MOTORCYCLE RIMS

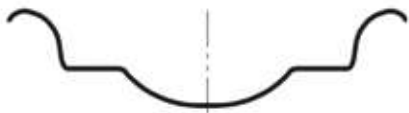
### Tube type WM

WM Contour.

Suitable for all PIRELLI tyres either tube or tubeless type.

Always a PIRELLI tube has to be used (even for tubeless tyres).

When using a tube in a PIRELLI tyre it has to be a PIRELLI tube.



### MT H2 Contour

MT H2 Contour.

Suitable for all PIRELLI tyres either tube or tubeless type.

Recommendations of the bike manufacturer have to be observed.



When using a tube in a PIRELLI tyre it has to be a PIRELLI tube.

When using a tube in a PIRELLI tubeless tyre it has to be a PIRELLI tube.

When using a tube in a PIRELLI tubeless tyre it has to be a PIRELLI tube for all types of rims.

**CAUTION: Maximum speed for "V" rated tubeless tyres used with a tube is 230 Km/h.**

## DIFFERENT CONSTRUCTION

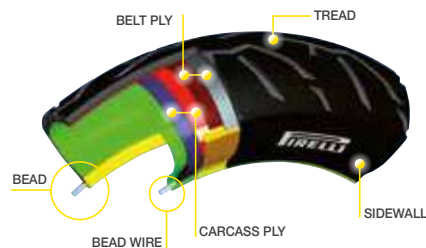
### CROSS PLY CONSTRUCTION



Also indicated as conventional or x-ply tyre. Depending on the different speed and load specifications, the tyre carcass is structured using two or more overlapping layers.

Each layer is made of rubber coated textile cords and the overlap angle is designed in order for the tyre to conform with the required dynamic characteristics.

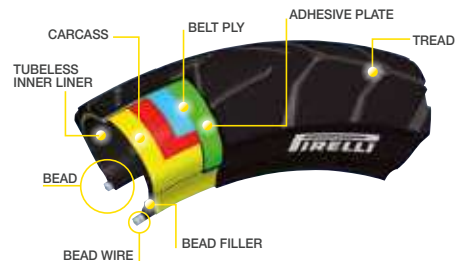
### BIAS BELTED CONSTRUCTION



The structure consists of a conventional carcass and a belt made of two or more crossed layers. The difference between the carcass and the belt is determined by the different goals they are designed to fulfill and consequently different materials are used in the construction.

The belt is made mainly from Aramide and its function is to reduce the dynamic deformation caused by centrifugal forces, while the carcass provides the tyre with its stiffness and load carrying capacity.

### RADIAL CROSS BELTED



The main difference from the bias-belted construction is the structure of the carcass in this case is radial. This means that its cords are wrapped radially around the tyre, from one bead to the other, giving big advantages in terms of cornering stability, reduced weight and high-speed performance.

### RADIAL CARCASS WITH ZERO DEGREE STEEL BELT



The patented technology enables the structure of both front and rear tyre to be achieved using a radial carcass and a single layer belt made of steel. Depending on the rolling direction of the tyre, the belt is wound circumferentially around the carcass giving an angle close to 0°.

The advantages of the use of steel are its extremely high rigidity and the possibility to tune the winding spacing thus differentiating the stiffness distribution from shoulder to crown.

# Tyre markings



**1 MANUFACTURER NAME**  
Brand name and registered trademark

**2 NAME OF PRODUCT LINE**

**3 SIZE**  
i.e. 180/55 ZR 17 M/C (73W) TL  
180/55 - Nominal section width (mm)  
ZR - tyre construction Technology  
("-" bias, "B" bias belted, "R" radial)  
17 - Rim diameter (inches)  
M/C - Type for motorcycle only  
(73W) - Load and speed index code  
TL - TUBELESS - Tyre without tube

**4 PRODUCTION DATE**  
i.e. 0310  
First 2 digits - week  
Last 2 digits - year

**5 HOMOLOGATION NUMBER**  
According to ECE R 75

**6 SPECIFICATION**  
Specification of the number of plies used for carcass and belt;  
and the correspondent material used

**7 DOT - ABBREVIATION OF "DEPARTEMENT OF TRANSPORTATION"**  
Serves to indicate that the tyre conforms to the regulations issued  
by the Transport Depts of USA and Canada

**OTHER MARKINGS:**

**Arrow** = The arrow indicate the direction of rotation of the tyre according to the fitting position (front – rear)

**EX** = Code identifying the country where the tyre has been homologated

**TT** = Tubetype. This tyres must have a tube installed.

**TWI** = Tread wear indicator indicates minimum level of tread depth.

**NHS** = Not for Highway service. Motorcycle tyres with this marking are only for racing or off road purposes and cannot be used on public roads.



POWER IS NOTHING WITHOUT CONTROL