

# **P ZERO™ TROFEO R**

**THE ULTIMATE  
TRACK-DAY TYRE.**



**P ZERO™ TROFEO R**



***P ZERO TROFEO R***

*Only a Motorsport world leader and the preferred supplier of the most prestigious car and supercar brands could benefit from its 110 years of experience in racing activity to create the **best street-legal, track-day tyre ever designed.***

*Because you want to enjoy your track laps and push to the limit while feeling safe and perfectly in command... even when returning home. Try now Pzero Trofeo R, the ultimate track-day tyre, and feel the difference with whatever tyre you used before.*

# Winning performance as well as safety

The state of the art technology and high performance levels of the best sports cars in the world are enhanced by Pirelli when the point of contact between the car and the track itself is the **P Zero™ Trofeo R**. This innovative ultra-low-profile tyre is intended mainly for track use on dry surfaces, enhancing driver enjoyment and ensuring total safety even when pushed to the limit.

The benefits of **P Zero™ Trofeo R**:

- highly-effective grip on the track
- maximum stability under braking
- exceptional lateral rigidity for extreme cornering
- precise steering response
- consistent trajectories





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## Tecnological refinement

In extreme use on the racetrack or on the road, you'll recognise all the **P Zero™ Trofeo R** design qualities: excellent grip through bends as well as under acceleration and braking, always ensuring driver safety.

These results are due to manufacturing solutions that incorporate increased structural resistance for extreme use: here the work carried out by Pirelli on each individual components is key to the success of the overall package.





### Profile ◦

*The contact area has been innovatively redesigned to provide a greater contact area than the previous product and more uniform pressure distribution to ensure better grip, more even wear and driving comfort.*

### Structure ◦

*Racing experience has played a key role in defining the structure. To achieve optimal roadholding there's a difference in rigidity between the steel belts in the rear tyre and those in the front tyre, which benefits from a bigger contact patch. Generally speaking, the tyres are a lot stiffer than those made for normal road use, to guarantee stability at high speed. There are also innovations in the manufacturing process to guarantee an even distribution of centrifugal forces within the tyre, especially at high speeds. This is crucial to maintain a constant footprint area and distribution of the contact pressures in high-stress conditions. Furthermore the bead geometry and materials make the connection to the rim more stable during acceleration and braking.*



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## Power to the maximum

The design features have enabled Pirelli to satisfy the demands of the market's most powerful vehicles, without compromise. In particular, **P Zero™ Trofeo R** enhances the technical specifications of the latest state-of-the-art vehicles, raising the bar as far as performance is concerned.



**Inner area**  
*Longitudinal grooves assist with water expulsion. Transverse grooves provide constant traction and assist braking.*

**Central area**

*Narrow grooves and wide, "solid" tread blocks are a technical solution designed to increase the contact patch improve stability at high speeds, and ensure even wear without affecting ultimate performance.*

**Outer area**

*A rigid shoulder similar to that of a competition slick tyre maximises lateral grip when cornering at very high speeds and changing trajectory quickly on the track, while maintaining complete control. This special mix of shape and functionality has enabled very consistent performance.*





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## Technical characteristics

The **P Zero™ Trofeo R** is designed to provide even greater performance on track days to some of the most powerful vehicles currently available from manufacturers such as BMW, Ferrari, Lamborghini, Maserati, Porsche and McLaren.





Innovative materials and compounds combined with the tread pattern design have produced extraordinary results. The tyre allows drivers to push to the limit, improving the overall driving experience. With **P Zero™ Trofeo R** you can really appreciate how a high-powered vehicle performs, especially when on the track.

The **P Zero™ Trofeo R** compound offers steering precision and grip at the high operating temperatures associated with track use and guarantees long-term effectiveness. Wear is also consistently maintained.

P ZERO™ TROFED R

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### TYRE SIZE



205/50ZR15 (86Y)	N4
225/50ZR15 (91Y)	N4
205/55ZR16 (91Y)	NO
225/50ZR16 (92Y)	NO
245/45ZR16 (94Y)	NO
205/45ZR17 (88Y)	XL
205/50ZR17 (89Y)	NO
225/45ZR17 (91Y)	NO
255/40ZR17 (94Y)	NO
225/40ZR18 (92Y)	XL (NO)
235/40ZR18 (95Y)	XL
245/40ZR18 (97Y)	XL
265/35ZR18 (93Y)	NO
265/40ZR18 (101Y)	XL
295/30ZR18 (98Y)	XL
235/35ZR19 (91Y)	XL
245/35ZR19 (93Y)	XL

### DIAMETER



586
610
630
635
630
618
639
637
639
641
648
655
646
672
638
647
656

### SECTION WIDTH



216
235
218
232
253
210
215
230
265
233
247
255
275
281
305
245
252

**⚠ SAFETY WARNING:** danger may result from improper use. Follow tyre manufacturer's instructions. Refer to car manufacturer's recommendations with respect to tyre fitments for each model.



## TREAD WIDTH



185  
205  
185  
205  
225  
185  
185  
205  
235  
205  
215  
225  
245  
245  
275  
215  
225

## CIRC.



1778  
1845  
1912  
1924  
1903  
1869  
1933  
1924  
1933  
1939  
1958  
1985  
1955  
2034  
1930  
1958  
1985

## RIM (MIN/MAX)



5.5-6-6.5-7- 7,5  
6-6.5-7-7.5-8  
5.5-6-6.5-7-7.5  
6-6.5-7-7.5-8  
7.5-8-8.5-9  
6.5-7-7.5  
5.5-6-6.5-7- 7,5  
7-7.5-8-8.5  
8.5-9-9.5-10  
7.5-8-8.5-9  
8J-8.5J-9J-9.5  
8-8.5J-9J-9.5J  
9J-9.5J-10J-10.5  
9J-9.5J-10J-10.5  
10J-10.5J-11J  
8J-8.5J-9J-9.5  
8-8.5J-9J-9.5J

## EU LABEL



F	B	2 (71dB)
F	B	2 (71dB)
F	B	2 (71dB)
F	B	2 (71dB)
F	B	2 (71dB)
F	A	2 (72dB)
F	B	2 (71dB)
F	B	2 (71dB)
F	B	2 (71dB)
F	B	2 (71dB)
F	B	2 (72dB)
F	B	2 (71dB)
F	B	2 (71dB)
F	B	2 (73dB)
G	A	2 (74dB)
F	B	2 (72dB)
F	B	2 (72dB)

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### TYRE SIZE



265/30ZR19 (93Y)	XL
245/35ZR18 (92Y)	XL
265/35ZR19 (98Y)	XL
285/35ZR19 (103Y)	XL
295/30ZR19 (100Y)	XL
305/30ZR19 (102Y)	XL
325/30ZR19 (101Y)	
235/35ZR20 (88Y)	
245/30ZR20 (90Y)	XL(L)
245/35ZR20 (95Y)	XL
265/35ZR20 (99Y)	XL
295/30ZR20 (101Y)	XL
295/35ZR20 (105Y)	XL
305/30ZR20 (103Y)	XL
305/30ZR20 (103Y)	XL(L)
345/30ZR20 (106Y)	
325/30ZR21 (108Y)	XL

### DIAMETER



646
632
673
687
665
665
682
673
651
680
694
689
718
690
684
719
728

### SECTION WIDTH



272
244
275
295
297
320
335
245
242
252
275
295
305
320
308
355
335

**⚠ SAFETY WARNING:** danger may result from improper use. Follow tyre manufacturer's instructions. Refer to car manufacturer's recommendations with respect to tyre fitments for each model.

## TREAD WIDTH



245  
225  
245  
265  
275  
290  
305  
215  
225  
225  
245  
275  
275  
290  
290  
320  
305

## CIRC.



1955  
1906  
2034  
2077  
2009  
2013  
2064  
2034  
2055  
2061  
2104  
2086  
2171  
2089  
2165  
2177  
2217

## RIM (MIN/MAX)



9J-9.5J-10J  
8-8.5J-9J-9.5J  
9J-9.5J-10J-10.5  
9.5J-10J-10.5-11  
10J-10.5J-11J  
10.5J-11J-11.5  
11J-11.5J-12J  
8.5J  
8-8.5J-9J  
8-8.5J-9J-9.5J  
9J-9.5J-10J-10.5  
10J-10.5J-11J  
10J-10.5J-11J  
10.5J-11J-11.5  
10.5J-11J-11.5  
11.5J-12J-12.5J  
11-11.5-12- 12,5

## EU LABEL



G	B	2 (72dB)
F	B	2 (72dB)
F	B	2 (72dB)
F	B	2 (74dB)
F	B	2 (74dB)
F	B	2 (74dB)
F	B	2 (74dB)
G	B	2 (71dB)
F	B	3 (75dB)
F	B	2 (71dB)
F	B	2 (72dB)
G	B	2 (74dB)
F	B	2 (74dB)
F	B	2 (74dB)
F	B	2 (75dB)
F	B	2 (72dB)
E	B	2 (72dB)

Please refer to [www.pirelli.com](http://www.pirelli.com) for the updated range.



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### **P ZERO TROFEO R**

## Specific conditions of use for **P Zero™ Trofeo R**

### ROAD USE

Before fitting a tyre, check that the product selected is homologated to the technical specifications of the vehicle and responds to all relevant and applicable legislation in the country concerned. In some countries, the only legally recognised tyre fitment for a vehicle is as stated in the vehicle's manual as provided by the vehicle manufacturer.

Always follow vehicle manufacturer recommendations for correct tyre inflation pressures. This information is displayed in the vehicle's manual and sometimes on a sticker inside the front door or fuel tank cover.





## TRACK USE

- **P Zero™ Trofeo R** has been developed to provide even greater performance during track days on the most powerful vehicles, enabling the driver to fully appreciate the performance of these extreme cars in complete safety. In extreme conditions, typical of track driving, it reacts with precision to driver inputs. On dry asphalt, even at the most demanding circuits, it ensures high levels of grip and consistent trajectories.
- For maximum performance and safety on a circuit, first make sure that the vehicle itself is in perfect working order, particularly with regard to brakes, steering and suspension. Most modern cars can be driven on a circuit without significant modifications, although for sustained circuit driving such as on a track day, it is recommended that the brake pads be changed to a competition version so as to withstand the extra heat generated by the constant use that circuit driving demands. The ultra hard and constant braking are a key reason for using tyres like the **P Zero™ Trofeo R**, rather than a standard tyre. These tyres can withstand constant heavy use and the high temperatures generated, delivering perfect performance, lap after lap.
- Tyre set-up for circuit driving. **P Zero™ Trofeo R** has quite a stiff construction and so does not necessarily need extra pressure to deliver performance. In fact they are designed to run at pressures at around 2.2 bar (when hot), although the exact optimal pressure depends on the vehicle type. Critical to understanding the set-up is knowing that this pressure represents the 'operating pressure' of the tyre when it is fully warmed up to working temperature – and that the difference in temperature between 'hot' and 'cold' tyres can be very significant (typically 0.5 bar).

Set-up procedure: set the tyre pressures when cold to approximately 0.4 bar (6lbs/sq.ins) less than the required operating pressure. Drive the car on the circuit for 3-4 laps to bring the tyres up to temperature, re-enter the pit-lane and immediately re-set the pressures to the required operating pressure. Continue to check the 'hot' pressures during continued use on the circuit if possible. Pirelli recommends the use of normal compressed air (preferably dry) to inflate the tyre, providing that the above procedures are followed. Specialist gases such as nitrogen are not required unless the air source is excessively humid. Always use a high-quality air pressure gauge for consistent results. The use of metal rather than rubber valve stems is recommended as these are more resistant to high temperatures. Before leaving the circuit and after the tyres have cooled down, **DO NOT FORGET TO RE-SET TYRE PRESSURES TO THE STANDARD INFLATION PRESSURES AS RECOMMENDED BY THE VEHICLE MANUFACTURER.**

*NB: Purchasers of P Zero™ Trofeo R tyres are required to sign an acknowledgement of risk document, which confirms that:*

- I. The purchaser understands that he/she is purchasing a specific competition race performance Pirelli tyre.*
- II. The purchaser has been advised of and understands the usage instructions and warnings provided (specifically those related to potential reduced life due to tread wear), as well as all indications relating to tyre performance].*
- III. The purchaser accepts and acknowledges the associated potential risk.*

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Attention! The track is your road, but remember, roads are not racetracks!

Whilst Pirelli **P Zero™ Trofeo R** tyres are approved for road use you must always follow local highway legislation and exercise common sense when driving.







**P Zero™ Trofeo R** tyres are competition orientated and designed specifically for serious performance enthusiasts and performance vehicles. Building on Pirelli's racing knowledge, **P Zero™ Trofeo R** tyres feature a softer competition-inspired tread compound, optimised for on-track performance while meeting legal requirements for road use. The advanced design of **P Zero™ Trofeo R** tyres provides for enhanced performance, cornering and braking in certain conditions, surfaces and environments while presenting limited performance in other specific conditions – such as rain, ice, snow and cold weather. This can lead to associated potential hazards, so:

- The use of **P Zero™ Trofeo R** tyres is not recommended for road use or track use in wet conditions, as there is a risk of aquaplaning. In wet conditions, drivers must proceed with extreme caution and reduce speed significantly – especially in the presence of standing water or heavy rain – even stopping the vehicle if necessary.
- The use of **P Zero™ Trofeo R** tyres is not recommended for road use or track use when the ambient temperature falls below 7°C. The grip from the **P Zero™ Trofeo R** tyres reduces considerably when operated in low temperatures.
- As with all sports tyres, **P Zero™ Trofeo R** tends to wear faster than standard tyres, so will cover less mileage.

Danger may result due to incorrect fitting and removal procedures, so Pirelli advises entrusting the fitting and removal of tyres to professional specialists who have the correct equipment to carry out the procedures safely, without causing damage to the tyre or wheel rim. During the tyre inflation procedure, respect the safety norms regarding distance, position and use of a safety cage. Pirelli always recommends the use of a safety cage when inflating tyres. After seating the rim, reduce the pressure to the recommended usage pressure as indicated by the car manufacturer in the vehicle's manual. In the event of accidental damage or puncture, Pirelli recommends replacing all the tyres rather than attempting any kind of repair. **P Zero™ Trofeo R** should always be replaced in complete sets to ensure consistent performance characteristics. These recommendations are only an indication and are not exhaustive. Pirelli reserves the right to modify or alter the content at any time.

### **In-car safety equipment**

Before taking your car out on a circuit it's important to take professional advice regarding car preparation and the installation of specialised safety equipment. For example, it is essential for circuit driving to install a full harness multipoint safety belt with quick release fittings. This equipment will hold the driver firmly in the seat (which itself must be checked for secure mounting): an essential feature in the event of an accident but also highly desirable during hard cornering and braking. The effectiveness of the seat harness can be further enhanced by the use of a racing seat, giving added lateral support to hold the driver in place during hard cornering. Installation of a roll bar is also advisable. Other equipment such as a roll cage and fire extinguishers, etc may be considered necessary depending on the activity involved. Once again, take professional advice as to what is required.

### **Driver safety equipment**

Absolutely essential for any track driving is a good quality crash helmet. Other key safety items are fire-retardant overalls, boots and gloves. In all matters concerning driver safety equipment, again take professional advice as to what is required for your personal choice of circuit activity.





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YOUR RACING SPIRIT,  
OUR TYRE TECHNOLOGY.



Please visit [www.pirelli.com](http://www.pirelli.com) for the updated version. Published in October 2016.