



# RACEGUIDE

2025 FIA WEC



## ROLEX 6 HOURS OF **SÃO PAULO**

JULY 11-13



#05





# 2025 TIMETABLE

## FRIDAY, JULY 11

11:00am  
> 12:30pm **Free Practice 1**

3:45pm  
> 5:15pm **Free Practice 2**

## SATURDAY, JULY 12

10:10am  
> 11:10am **Free Practice 3**

3:25pm  
> 3:37pm **Hypercar  
Qualifying**

3:45pm  
> 3:55pm **Hypercar  
Hyperpole**

## SUNDAY, JULY 13

**11:30am Start**



LOCAL TIME GMT-3 • Source: fiafec.com  
information subject to change

**36**  
ENTRIES

**18**  
HYPERCARS

**8**  
DIFFERENT  
MANUFACTURERS

# THE 2025 6 HOURS OF SÃO PAULO (BRAZIL)

**ROUND 5**, 2025 FIA WORLD ENDURANCE  
CHAMPIONSHIP (FIA WEC)



Second  
Hypercar  
race in  
São Paulo

First visit to  
Interlagos for  
the Aston Martin  
Valkyrie LMH

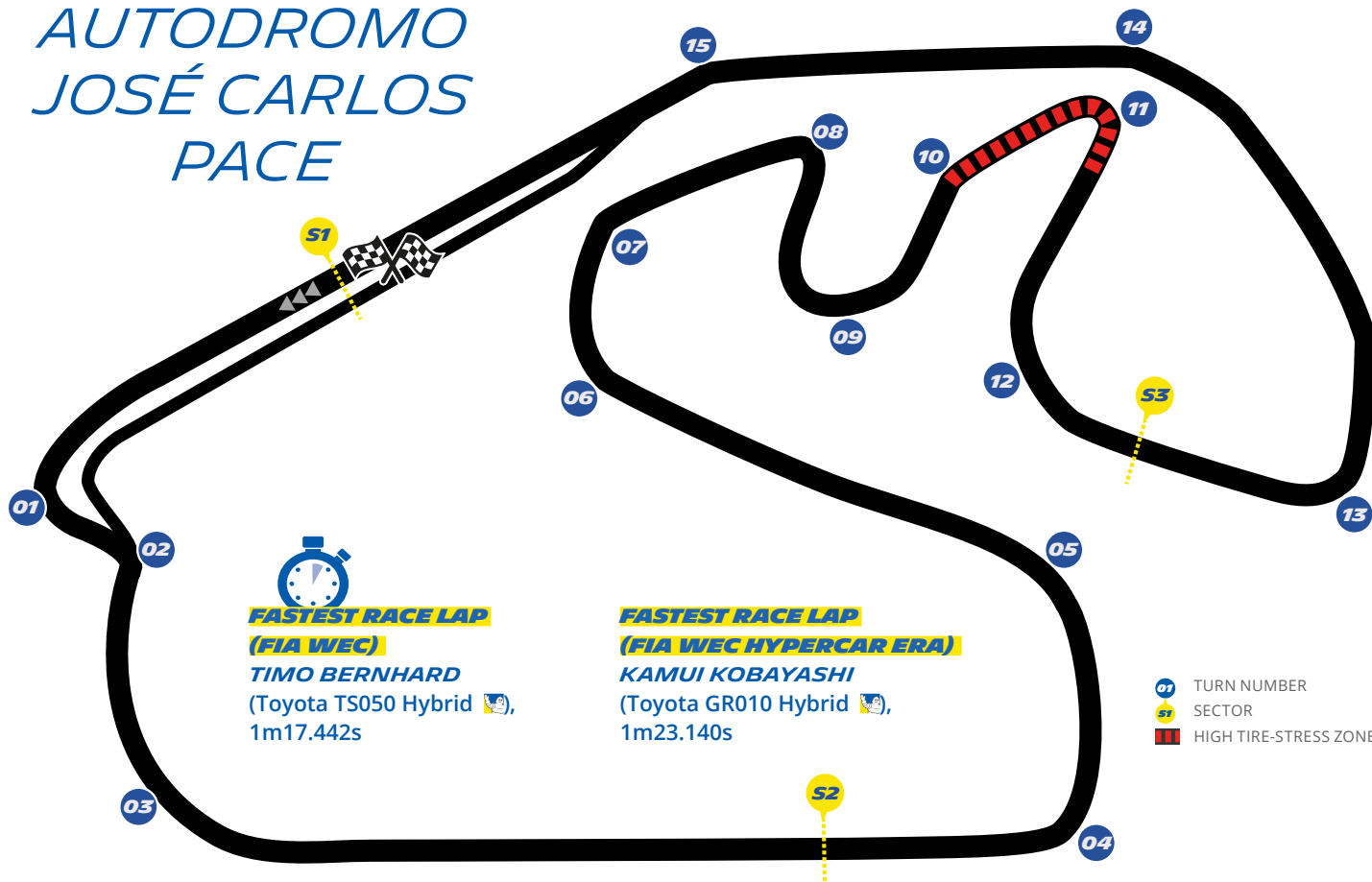
A field of 18 Hyper  
prototypes representing  
eight manufacturers,  
all on Michelin tires



## STATISTIC

Following its wins so far this in Qatar, Italy (Imola) and Belgium (Spa-Francorchamps), Ferrari claimed its fourth straight win at France's Le Mans 24 Hours with Michelin. The Ferrari 499P is targeting a fifth win in-a-row at Interlagos. The record for the longest winning run in an FIA WEC season currently belongs to Porsche (in 2015) and Toyota (2021) is six.

# AUTODROMO JOSÉ CARLOS PACE



**FASTEST RACE LAP  
(FIA WEC)**  
**TIMO BERNHARD**  
(Toyota TS050 Hybrid 🏎️),  
1m17.442s

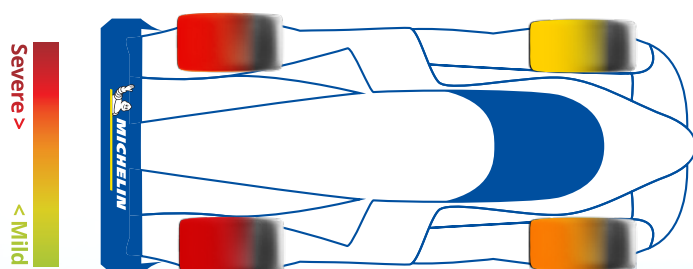
**FASTEST RACE LAP  
(FIA WEC HYPERCAR ERA)**  
**KAMUI KOBAYASHI**  
(Toyota GR010 Hybrid 🏎️),  
1m23.140s

01 TURN NUMBER  
S1 SECTOR  
HIGH TIRE-STRESS ZONE

**4.309KM** / **15 TURNS**

**ANTICLOCKWISE**

## TIRE SEVERITY RATING



- » Formerly known as Interlagos due to its location near two lakes south of central São Paulo
- » Hosting an FIA WEC round for the fourth time
- » The shortest circuit on the FIA WEC calendar
- » Hilly and twisty (eight turns in Sector 2)
- » 'S do Senna' (Turns 1 and 2) and 'Curva do Sol' (Turn 3) are two of the circuit's best-known corners
- » The start/finish straight is uphill
- » The Hypercars' MICHELIN Pilot Sport tires are submitted to average vertical loads of 490kg (front) and 563kg (rear)
- » The maximum vertical load on the cars' front and rear MICHELIN Pilot Sports is 1,000kg (front) and 1,025kg (rear) through Turn 11 (Mergulho)





# THE 2024 RACE



**WINNERS**

Michelin's 90<sup>th</sup> FIA WEC win

## BUEMI/HARTLEY/HIRAKAWA

(Porsche 963 🏎️), 236 laps

### HYPERPOLE

**KAMUI KOBAYASHI** (Toyota GR010 Hybrid 🏎️),  
🕒 1m23.140s (186.6kph)

### FASTEST RACE LAP

**MIKE CONWAY** (Toyota GR010 Hybrid 🏎️),  
🕒 1m24.801s (182.9kph)

### TOP SPEED

**SÉBASTIEN BUEMI**  
(Toyota GR010 Hybrid 🏎️), 289.3kph

The FIA WEC's return to São Paulo

First Hypercar race in São Paulo

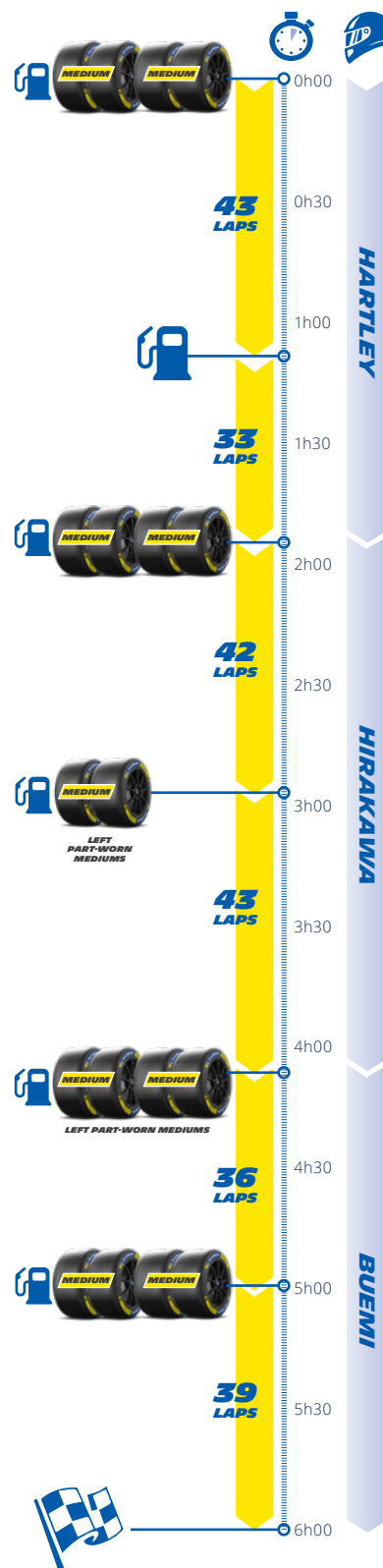
Round 5 of the 2024 FIA WEC was dominated by Toyota (victory, pole-position, fastest race lap)

Michelin's partners ran the Hard and Medium Pilot Sport slicks (or a combination of both at times)

The Peugeot 9X8, Alpine A424 and BMW M Hybrid V8 all fought for a top-10 finish

Very good warm-up of the MICHELIN Pilot Sport Medium tires

## THE WINNER'S STRATEGY



## ENDURANCE RACING: AN INNOVATION ACCELERATOR FOR MICHELIN

Michelin sees motorsport in general, and the FIA World Endurance Championship (FIA) particular, as a means to accelerate innovation. The proportion of renewable and recycled materials that go into the MICHELIN Pilot Sport endurance-racing rain tire stands at 45 percent.

In 2021, Michelin presented a demonstration tire containing

46 percent recycled/renewable raw materials for the MissionH24 hydrogen fuel-cell racing prototype. The rain tires used by today's Hypercar prototypes incorporate 45 percent renewable or recycled raw materials.

Motorsport is one of the driving forces behind Groupe Michelin's Everything Sustainable plan for 2050.



## **PIERRE ALVES**

(Manager, Endurance Racing Programs, Michelin Motorsport)

The 6 Hours of São Paulo at Interlagos kicks off the season's run of long-haul races. The 4.309-kilometer track provides good overtaking opportunities, notably under braking for Turn 1 - the Senna S.

For the FIA WEC's first time here for a while in 2024, we saw a variety of strategies, with teams even running a combination of both the medium- and hard-compound MICHELIN Pilot Sport on occasions. Since then, the track

//  
**INTERLAGOS CAN MAKE  
BIG DEMANDS ON  
TIRES, ESPECIALLY THE  
REAR-RIGHTS** //

has been resurfaced, so we are restarting practically from scratch. We will need to analyze every lap of each car during free practice and qualifying to evaluate the optimal performance of the two options. Interlagos can make big demands on tires, especially the rear-rights. The emphasis through Sector 2 is on providing mechanical grip, for example. Careful management will be key to benefiting from consistency over multiple stints.



### **MICHELIN'S FIA WEC RECORD**

**97  
WINS**

WITH 6 DIFFERENT MANUFACTURERS  
including Toyota (48 wins) and Porsche (20)

WITH 51 DIFFERENT DRIVERS  
including S. Buemi (26), B. Hartley (23) and M. Conway (18)

**12**

MANUFACTURERS'  
**WORLD TITLES**

**12**

DRIVERS'  
**TITLES**





# THE MICHELIN PILOT SPORT

## HYPERCAR RANGE

### SLICKS



Medium compound  
Dry conditions  
The most versatile option



Hard compound  
Dry conditions  
High track temperatures  
Big constraints

Only two slicks specifications available (three for Le Mans)

Tire warming systems may not be used

Compound for the Hyperpole session: medium

### RAIN TIRES



Soft compound  
Wet conditions  
Versatile

A single type  
of rain tire

### SLICKS ALLOCATION

**FREE PRACTICE** 12 TIRES




**HYPERPOLE** 4 TIRES

**QUALIFYING + RACE** 18 TIRES

**SIZES: FRONT: 29/71-18 • REAR: 34/71-18**

Width (cm) / Exterior Diameter (cm) – Interior Diameter (inches)

### TECHNICAL REQUIREMENTS

	 <b>PRESSURE</b>	<b>CAMBER</b>
 <b>FRONT</b>	1.8 bar (26.1psi) minimum	Between -3.0° and -1.0°
 <b>REAR</b>	1.8 bar (26.1psi) minimum	Between -2.7° and -1.0°



**HYPERCAR****MICHELIN PARTNERS**

18 HYPERCAR PROTOTYPES REPRESENTING 8 MANUFACTURERS

**ASTON MARTIN THOR TEAM**ASTON MARTIN VALKYRIE AMR  
(LMH)Power unit: 6.5-liter  
normally-aspirated V12  
Power: 500kWFront-wheel drive propulsion  
Seven-speed Xtrac sequential  
gearbox

#007


 H. TINCKNELL  
 T. GAMBLE

#009


 A. RIBERAS  
 M. SORENSEN
**PORSCHE PENSKE MOTORSPORT**PORSCHE 963  
(LMDH)Power unit: 4.6-liter V8 bi-turbo  
+ Bosch MGU (rear wheels)  
Power: 500kW + 50kWTwo-wheel drive  
Seven-speed Xtrac  
sequential gearbox

#5


 J. ANDLAUER  
 M. CHRISTENSEN

#6


 K. ESTRE  
 L. VANTHOOR
**TOYOTA GAZOO RACING**TOYOTA GR010 HYBRID  
(LMH)Power unit: 3.5-liter V6 bi-turbo +  
Toyota Hybrid System (front wheels)  
Power: 500kW + 200kWFour-wheel drive  
propulsion Seven-speed  
Xtrac sequential gearbox

#7


 M. CONWAY  
 K. KOBAYASHI  
 N. DE VRIES

#8


 B. HARTLEY  
 R. HIRAKAWA
**BMW M TEAM WRT**BMW M HYBRID V8  
(LMDH)Power unit: 4-liter V8 bi-turbo +  
Bosch MGU (rear wheels)  
Power: 477kW + 50kWTwo-wheel drive  
Seven-speed Xtrac  
sequential gearbox

#15


 D. VANTHOOR  
 R. MARCIELLO  
 K. MAGNUSSEN

#20


 R. RAST  
 M. WITTMANN  
 S. VAN DER LINDE
**ALPINE ENDURANCE TEAM**ALPINE A424  
(LMDH)Power unit: 3.4-liter V6 turbo  
+ Bosch MGU (rear wheels)  
Power: 500kW + 50kWTwo-wheel drive  
Seven-speed Xtrac  
sequential gearbox

#35


 P-L. CHATIN  
 C. MILES  
 F. HABSBURG

#36


 J. GOUNON  
 F. MAKOWIECKI  
 M. SCHUMACHER


## CADILLAC HERTZ TEAM JOTA

CADILLAC V-SERIES.R  
(LMDH)



Power unit: 5.5-liter V8 + Bosch  
MGU (rear wheels)  
Power: 500kW + 50kW



Two-wheel drive  
Seven-speed Xtrac  
sequential gearbox

#12



A. LYNN  
 N. NATO  
 W. STEVENS

#38



E. BAMBER  
 S. BOURDAIS  
 J. BUTTON

## FERRARI AF CORSE

FERRARI 499P  
(LMH)



Power unit: 3-liter V6 bi-turbo +  
hybrid system (front wheels)  
Power: 500kW + 200kW



Four-wheel drive  
propulsion Seven-speed  
Xtrac sequential gearbox

#50



A. FUOCO  
 M. MOLINA  
 N. NIELSEN

#51



A. PIER GUIDI  
 J. CALADO  
 A. GIOVINAZZI

## PEUGEOT TOTALENERGIES

PEUGEOT 9X8  
(LMH)



Power unit: 2.5-liter V6 bi-turbo +  
Peugeot MGU (front wheels)  
Power: 500kW + 200kW



Four-wheel drive  
Seven-speed Sadev  
sequential gearbox

#93



P. DI RESTA  
 M. JENSEN

#94



L. DUVAL  
 M. JAKOBSEN

## AF CORSE

FERRARI 499P  
(LMH)



Power unit: 3-liter V6 bi-turbo  
+ hybrid system (front wheels)  
Power: 500kW + 200kW

#83



Four-wheel drive  
propulsion Seven-speed  
Xtrac sequential gearbox

R. KUBICA  
 Y. YE  
 P. HANSON

## PROTON COMPETITION

PORSCHE 963  
(LMDH)



Power unit: 4.6-liter V8  
bi-turbo + Bosch MGU (rear  
wheels)  
Power: 500kW + 50kW

#99



Two-wheel drive  
Seven-speed Xtrac  
sequential gearbox









N. JANI  
 N. PINO  
 N. VARRONE



# HYPERCAR STANDINGS

## FIA WORLD ENDURANCE HYPERCAR CHAMPIONSHIP

MANUFACTURERS		R1 28/02	R2 20/04	R3 10/05	R4 14-15/06	R5 13/07	R6 7/09	R7 28/09	R8 8/11	TOTAL
1 <sup>st</sup>	FERRARI		66	26	43	36				172
2 <sup>nd</sup>	TOYOTA		33	20	18	24				95
3 <sup>rd</sup>	PORSCHE		5	7	2	70				84

DRIVERS		R1 28/02	R2 20/04	R3 10/05	R4 14-15/06	R5 13/07	R6 7/09	R7 28/09	R8 8/11	TOTAL
1 <sup>st</sup>	ALESSANDRO PIER GUIDI		24	26	25	30				105
1 <sup>st</sup>	ANTONIO GIOVINAZZI		24	26	25	30				105
1 <sup>st</sup>	JAMES CALADO		24	26	25	30				105
2 <sup>nd</sup>	PHILIP HANSON		27	12	0	50				89
2 <sup>nd</sup>	ROBERT KUBICA		27	12	0	50				89
2 <sup>nd</sup>	YIFEI YE		27	12	0	50				89
3 <sup>rd</sup>	ANTONIO FUOCO		38	0	19	0				57
3 <sup>rd</sup>	MIGUEL MOLINA		38	0	19	0				57
3 <sup>rd</sup>	NICKLAS NIELSEN		38	0	19	0				57



# **SÃO PAULO**

## **THE CITY**

### **AND CIRCUIT**

São Paulo (population: 22 million) is the world's sixth biggest city

The circuit is in the city's southern suburban sprawl

It is called Autodromo José Carlos Pace in memory of the 1975 Brazilian GP winner who died in 1977

It is still widely known by its original name Interlagos, the result of its location between two artificial lakes (Guarapiranga and Billings)

The first race to be held there was Grande Premio Cidade de São Paulo, in 1940

After frequent previous modifications, the circuit's current layout dates back to the 1990s

Ayrton Senna's resting place in Morumbi Cemetery is 12km from the circuit. The Brazilian only won twice in F1 at Interlagos



## **MICHELIN**

### **AND SÃO PAULO**

» Michelin has scored three F1 pole-positions and three grand prix wins at Interlagos

» Michelin won at Interlagos with René Arnoux and Renault in 1980

» Twenty years ago, Michelin won the Brazilian Grand Prix with Juan-Pablo Montoya (Williams), while Fernando Alonso clinched the world title there with Renault and Michelin

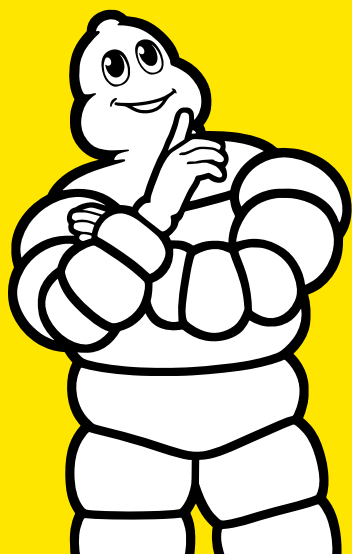
» Michelin claimed its very first Formula 1 win in Brazil with Carlos

Reutemann (at Jacarepagua, Rio de Janeiro)

» It was at Interlagos, in 2012, that Toyota and Michelin collected their first FIA WEC victory together

» Michelin has won FIA WEC races at Interlagos with Toyota, Audi and Porsche

» In 2007, Michelin won the São Paulo Mil Milhas (Le Mans Series) with Minassian/Gené (Peugeot 908 HDi FAP)





# 2025 CALENDAR

**R1 QATAR 1812 KM**  
(Qatar) February 28

**R2 6 HOURS OF IMOLA**  
(Italy) April 20

**R3 6 HOURS OF SPA-FRANCORCHAMPS**  
(Belgium) May 10

**R4 LE MANS 24 HOURS**  
(France) June 14-15

**R5 6 HOURS OF SAO PAULO**  
(Brazil) July 13

**R6 LONE STAR LE MANS**  
(USA) September 7

**R7 6 HOURS OF FUJI**  
(Japan) September 28

**R8 8 HOURS OF BAHRAIN**  
(Sakhir) November 8



## FIA WEC TIRE REGULATIONS

### SPECIFICATIONS

Number of specifications for dry-weather tires			Number of specifications for wet-weather tires
Le Mans 24 Hours	Other races	Total over the season	
3	2	3	1

### HYPERCAR ALLOCATION

The maximum number of dryweather tires that can be used during a Competition is defined as follows:

Free Practice	Hyperpole*	Qualifying + Race		
		6-hour races	8-hour races	10-hour races*
12	4	18	26	32

- For free practice sessions, from the beginning of the practice sessions.
- For the qualifying session and the race, from the start of the qualifying session.
- For the Hyperpole from the start of the session. Tires allocated for Hyperpole must be used only and exclusively for the Hyperpole session.
- To go from the pit lane to the starting grid before the start of the race, the tires used can be either dry-weather tires or wetweather tires and will not be counted in the allocation.
- At the start of a Competition, any dry weather tires used must be new.

### WET-WEATHER TIRES

The number of wet-weather tires usable during a Competition is not limited.

During practices and the race, wetweather tires can only be used once the track has been declared wet by the Clerk of the Course / Race Director.

Tires for wet weather may have been already used and must be of the specification declared by the tire manufacturer.

### OTHER FACTS

Any process that involves a direct or indirect attempt at modifying the temperature of a tire (compared to the ambient temperature) is forbidden.

Use of storage tents in designated areas is permitted only if they are always ventilated with ambient air and accessible.

**Infringement of the tire allowance:** Stop & Go of 2 minutes per tire.

**Infringement of the tire heating rules:** Stop & Go of 3 minutes during the race.

**Four mechanics and two tire guns allowed** for wheel changes during pit stops. Wheel changes are only allowed when the car is not being refueled.

**Only one tire technician is allowed** to measure tire temperatures and pressures.

**Tire changes may only be carried out on the starting grid up to the five-minute board**, in front of the garage or inside the garage if significant work is being undertaken on the car, on the track in the case of a suspension of the race.

**Each tire must be identified by RFID and barcode.** All references must be declared to the Technical Delegate at least 48 hours before the start of the Competition.



# OFFICIAL LONG LASTING PERFORMANCE SUPPLIER



## **MICHELIN PILOT SPORT**

Unbeaten in the FIA World Endurance Championship since 2012, you too can benefit from the grip and precision delivered by the MICHELIN Pilot Sport on the road as well!

From left to right, MICHELIN Pilot Sport (the Hypercar category tire in the FIA World Endurance Championship), MICHELIN Pilot Sport<sup>S</sup>, MICHELIN Pilot Sport<sup>®</sup>.



**MICHELIN**