

# RACECARD

2019 MICHELIN MotoGP™



**18**  
**SHELL MALAYSIA**  
**MOTORCYCLE**  
**GRAND PRIX**  
**NOVEMBER 1-3**  
**2019**  
 SEPANG INTERNATIONAL  
 CIRCUIT  
**MALAYSIA**

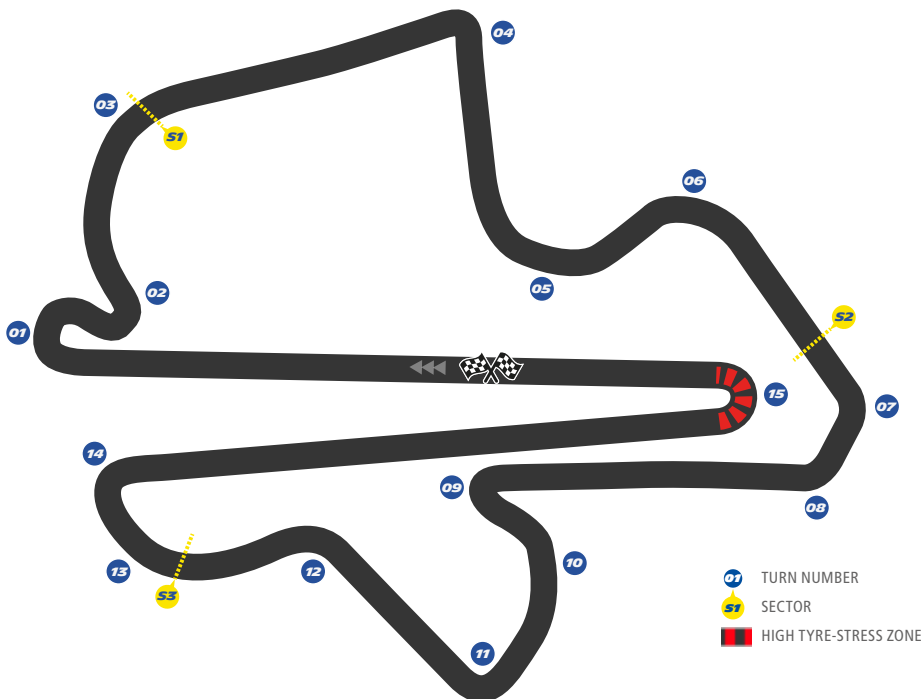


## TIMETABLE

FREE PRACTICE FRIDAY, NOVEMBER 1		
09:00 - 09:40	Moto3	FP1
09:55 - 10:35	Moto2	FP1
10:50 - 11:35	MotoGP	FP1
13:15 - 13:55	Moto3	FP2
14:10 - 14:50	Moto2	FP2
15:05 - 15:50	MotoGP	FP2

QUALIFYING PRACTICE SATURDAY, NOVEMBER 2		
09:00 - 09:40	Moto3	FP3
09:55 - 10:35	Moto2	FP3
10:50 - 11:35	MotoGP	FP3
12:35 - 12:50	Moto3	QP1
13:00 - 13:15	Moto3	QP2
13:30 - 13:45	Moto2	QP1
13:55 - 14:10	Moto2	QP2
14:25 - 14:55	MotoGP	FP4
15:05 - 15:20	MotoGP	QP1
15:30 - 15:45	MotoGP	QP2

RACE SUNDAY, NOVEMBER 3		
08:40 - 9:00	Moto3	WUP
9:10 - 9:30	Moto2	WUP
9:40 - 10:00	MotoGP	WUP
12:00	Moto3	RAC
13:20	Moto2	RAC
15:00	MotoGP	RAC



01 TURN NUMBER  
 51 SECTOR  
 HIGH TYRE-STRESS ZONE

LENGTH	WIDTH	RIGHT CORNERS	LEFT CORNERS	LONGEST STRAIGHT	LAPS	TOTAL DISTANCE
<b>5.543</b> KM	<b>16</b> M	<b>10</b>	<b>5</b>	<b>920</b> M	<b>20</b>	<b>110.9</b> KM

### RECORDS

#### All Time Lap Record

Dani Pedrosa (Honda, 2015):  
 1m59.053s

#### Best lap race

Jorge Lorenzo (Yamaha, 2015):  
 2m00.606s

#### Race duration

Marc Márquez (Honda, 2018):  
 40m32.372s

#### Top Speed

Andrea Iannone (Ducati, 2015):  
 339,6km/h

### 2018 PODIUM

**2** A. Rins (Suzuki)  
**1** M. Márquez (Honda)  
 ⌚ 40m32.372s  
**3** J. Zarco (Yamaha)

2018 Pole: M. Márquez (Honda) ⌚ 2m12.161s (wet)

### MICHELIN'S RECORD

**Wins: 10** (1999, 2000, 2001, 2002, 2003, 2004, 2006, 2016, 2017, 2018)

**Pole position: 12** (1999, 2000, 2001, 2002, 2003, 2004, 2006, 2007, 2008, 2016, 2017, 2018)

### TYRE SEVERITY RATING



Left . Centre . Right

< Mild Severe >



LOCAL TIME - SOURCE: motogp.com - INFORMATION SUBJECT TO CHANGE



# 2019 TYRE REGULATIONS

## Allocation per race

# 22 SLICKS:

### 10 front slicks:

- ✓ Up to 5 A-specification tyres
- ✓ Up to 5 B-specification tyres
- ✓ Up to 5 C-specification tyres

### 12 rear slicks:

- ✓ Up to 6 A-specification tyres\*
- ✓ Up to 5 B-specification tyres
- ✓ Up to 4 C-specification tyres

(\* Riders who participate in both Q1 and Q2 qualifying sessions (maximum 2 riders) will be allocated one extra front tyre of their preferred specification after Q2 (therefore, if taken, a maximum of 6 of that specification) and one extra rear slick tyre of specification A (highest grip level) after Q2 (therefore, if taken, a maximum of 7 of specification A).

In the case that Q1 and Q2 sessions are both declared wet by the Race Director, the extra tyres allocated will be rain tyres (of the specification the riders prefer for both front tyre and rear tyre). In the case that Q1 and Q2 sessions are declared as different weather conditions (dry or wet) then no extra tyre will be allocated.

# 13 RAIN TYRES

## 6 front tyres of 2 specifications

## 7 rear tyres of 2 specifications

In the case that any 4 of the 5 sessions, being FP1, 2, 3, 4, and one Qualifying session (excluding warm-up), are declared wet, one more set of rain tyres will be allocated to every rider, and the allocation automatically becomes:  
**7 Front rain tyres, and 8 Rear rain tyres.**



## PIERO TARAMASSO

Michelin Motorsport Two-Wheel Manager:

"The end of this long and exhausting tour of Asia and Oceania is drawing to a close, but that does not mean we are ready to relax, because the Malaysian GP is a very important race and also one that requires the utmost respect. Over the last three events we have had a huge mix of weather, from torrential rain to high temperatures and we now expect to roll that all in to one weekend here in Malaysia, but without the chill we had in

Australia! We have probably more data from Sepang than any other circuit, but it still is a track that demands total respect. It's very technical, has an abrasive surface and usually the asphalt can be very hot. This is one of the venues where the tyres face the possibility of the greatest difference in conditions, not only over the weekend, but hourly, as we can have torrential rain and then the track dries quickly. The correct rubber is needed to work in those situations and from our intensive testing and knowledge of the circuit we know we have that."



## GREEN GUIDE

When travelling to Malaysia and its capital Kuala Lumpur, which isn't far from the Sepang International Circuit, don't forget to pack the Michelin Green Guide Malaysia, Singapore and Brunei.



# ENTRY LIST

## MONSTER ENERGY YAMAHA MOTOGP

**MAVERICK VIÑALES**  
#12



Born: **January 12, 1995**  
Grand Prix debut: **2015, Qatar**

89 🏁 6 🏆 22 🏆 9 🏆

**RECORD WITH MICHELIN**

6 🏆 22 🏆 9 🏆 (0)

**VALENTINO ROSSI**  
#46



Born: **February 16, 1979**  
Grand Prix debut: **2000, South Africa**

340 🏁 89 🏆 198 🏆 55 🏆

World titles: (2009, 2008, 2005, 2004, 2003, 2002, 2001) (7)

**RECORD WITH MICHELIN**

65 🏆 123 🏆 43 🏆 (5)

## REPSOL HONDA TEAM

**MARC MÁRQUEZ**  
#93



Born: **February 17, 1993**  
Grand Prix debut: **2013, Qatar**

125 🏁 55 🏆 93 🏆 62 🏆

World titles: (2019, 2018, 2017, 2016, 2014, 2013) (6)

**RECORD WITH MICHELIN**

31 🏆 54 🏆 32 🏆 (4)

**JORGE LORENZO**  
#99



Born: **May 4, 1987**  
Grand Prix debut: **2008, Qatar**

201 🏁 47 🏆 114 🏆 43 🏆

World titles: (2015, 2012, 2010) (3)

**RECORD WITH MICHELIN**

8 🏆 23 🏆 12 🏆 (0)

## DUCATI TEAM

**ANDREA DOVIZIOSO**  
#4



Born: **March 23, 1986**  
Grand Prix debut: **2008, Qatar**

213 🏁 14 🏆 59 🏆 7 🏆

**RECORD WITH MICHELIN**

13 🏆 30 🏆 4 🏆 (0)

**DANILO PETRUCCI**  
#9



Born: **October 24, 1990**  
Grand Prix debut: **2012, Qatar**

135 🏁 1 🏆 9 🏆 0 🏆

**RECORD WITH MICHELIN**

1 🏆 8 🏆 0 🏆 (0)

## TEAM SUZUKI ECSTAR

**ALEX RINS**  
#42



Born: **December 8, 1995**  
Grand Prix debut: **2017, Qatar**

49 🏁 2 🏆 8 🏆 0 🏆

**RECORD WITH MICHELIN**

2 🏆 8 🏆 0 🏆 (0)

**JOAN MIR**  
#36



Born: **September 1<sup>st</sup>, 1997**  
Grand Prix debut: **2019, Qatar**

15 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

15 🏁 0 🏆 0 🏆 0 🏆

## APRILIA RACING TEAM GRESINI

**ALEIX ESPARGARÓ**  
#41



Born: **July 30, 1989**  
Grand Prix debut: **2009, Indianapolis**

163 🏁 0 🏆 1 🏆 2 🏆

**RECORD WITH MICHELIN**

163 🏁 0 🏆 1 🏆 2 🏆

**ANDREA IANNONE**  
#29



Born: **August 9, 1989**  
Grand Prix debut: **2013, Qatar**

116 🏁 1 🏆 11 🏆 2 🏆

**RECORD WITH MICHELIN**

1 🏆 8 🏆 1 🏆 (0)

## REALE AVINTIA RACING

**TITO RABAT**  
#53



Born: **May 25, 1989**  
Grand Prix debut: **2016, Qatar**

62 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

62 🏁 0 🏆 0 🏆 0 🏆

**KAREL ABRAHAM**  
#17



Born: **January 2, 1990**  
Grand Prix debut: **2011, Qatar**

119 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

119 🏁 0 🏆 0 🏆 0 🏆

## PETRONAS YAMAHA SRT

**FRANCO MORBIDELLI**  
#21



Born: **December 4, 1994**  
Grand Prix debut: **2018, Qatar**

33 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

33 🏁 0 🏆 0 🏆 0 🏆

**FABIO QUARTARARO**  
#20



Born: **April 20, 1999**  
Grand Prix debut: **2019, Qatar**

17 🏁 0 🏆 6 🏆 4 🏆

**RECORD WITH MICHELIN**

0 🏆 6 🏆 4 🏆 (0)

## RED BULL KTM FACTORY RACING

**MIKA KALLIO**  
#82



Born: **November 8, 1982**  
Grand Prix debut: **2009, Qatar**

43 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

43 🏁 0 🏆 0 🏆 0 🏆

**POL ESPARGARÓ**  
#44



Born: **June 10, 1991**  
Grand Prix debut: **2014, Qatar**

102 🏁 0 🏆 1 🏆 0 🏆

**RECORD WITH MICHELIN**

0 🏆 1 🏆 0 🏆 (0)

## LCR HONDA

**CAL CRUTCHLOW**  
#35



Born: **October 29, 1985**  
Grand Prix debut: **2011, Qatar**

155 🏁 3 🏆 19 🏆 4 🏆

**RECORD WITH MICHELIN**

3 🏆 11 🏆 2 🏆 (0)

**JOHANN ZARCO**  
#5



Born: **July 16, 1990**  
Grand Prix debut: **2017, Qatar**

50 🏁 0 🏆 6 🏆 4 🏆

**RECORD WITH MICHELIN**

0 🏆 6 🏆 4 🏆 (0)

## PRAMAC RACING

**JACK MILLER**  
#43



Born: **January 18, 1995**  
Grand Prix debut: **2015, Qatar**

83 🏁 1 🏆 5 🏆 1 🏆

**RECORD WITH MICHELIN**

1 🏆 5 🏆 1 🏆 (0)

**FRANCESCO BAGNAIA**  
#63



Born: **January 14, 1997**  
Grand Prix debut: **2019, Qatar**

17 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

17 🏁 0 🏆 0 🏆 0 🏆

## RED BULL KTM TECH 3

**HAFIZ SYAHRIN**  
#55



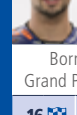
Born: **May 5, 1994**  
Grand Prix debut: **2018, Qatar**

35 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

35 🏁 0 🏆 0 🏆 0 🏆

**MIGUEL OLIVEIRA**  
#88



Born: **January 4, 1995**  
Grand Prix debut: **2019, Qatar**

16 🏁 0 🏆 0 🏆 0 🏆

**RECORD WITH MICHELIN**

16 🏁 0 🏆 0 🏆 0 🏆



RACE STARTS



WINS



PODIUMS



POLES



WORLD TITLES



# RIDERS' STANDINGS

RACE				QAT	ARG	USA	ESP	FRA	ITA	ESP	NED	DEU	CZE	AUT	GBR	SMR	ESP	THA	JPN	AUS	MYS	ESP			
				Losail 10/03	Rio Hondo 31/03	Austin 14/04	Jerez 05/05	Le Mans 19/05	Mugello 02/06	Catalunya 16/06	Assen 30/07	Sachsenring 07/07	Brno 04/08	Spielberg 11/08	Silverstone 25/08	Misano 15/09	Aragon 22/09	Chang 06/10	Motegi 20/10	Phillip Island 27/10	Sepang 03/11	Torino 17/11			
RIDERS' STANDINGS				Wins	Podium	Points	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19
1	Marc Márquez #93	11	16	375	20	25	DNF	25	25	20	25	20	25	25	20	25	25	25	25	25					
2	Andrea Dovizioso #4	2	8	240	25	16	13	13	20	16	DNF	13	11	20	25	DNF	10	20	13	16	9				
3	Alex Rins #42	2	3	183	13	11	25	20	6	13	13	DNF	DNF	13	10	25	DNF	7	11	9	7				
4	Maverick Viñales #12	1	6	176	9	DNF	5	16	DNF	10	DNF	25	20	6	11	16	16	13	16	13	DNF				
5	Danilo Petrucci #9	1	3	169	10	10	10	11	16	25	16	10	13	8	7	9	6	4	7	7	DNF				
6	Fabio Quartararo #20	6	6	163	0	8	9	DNF	8	6	20	16	DNF	9	16	DNF	20	11	20	20	DNF				
7	Valentino Rossi #46	2	2	153	11	20	20	10	11	DNF	DNF	DNF	8	10	13	13	13	8	8	DNF	8				
8	Jack Miller #43	4	4	141	DNF	13	16	DNF	13	DNF	11	7	10	16	DNF	8	7	16	2	6	16				
9	Cal Crutchlow #35	3	3	133	16	3	DNF	8	7	8	DNF	9	16	11	DNF	10	DNF	10	4	11	20				
10	Franco Morbidelli #21			105	5	DNF	11	9	9	DNF	DNF	11	7	DNF	6	11	11	DNF	10	10	5				
11	Pol Espargaró #44			89	4	6	8	3	10	7	9	5	4	5	DNF	7	9	DNS	3	5	4				
12	Joan Mir #36			77	8	DNF	0	DNF	0	4	10	8	9	DNF	DNS	8	2	9	8	11					
13	Takaaki Nakagami #30			74	7	9	6	7	DNF	11	8	DNF	2	7	5	DNF	0	6	6	0	0				
14	Alex Espargaró #41			53	6	7	DNF	5	4	5	DNF	4	DNF	0	2	DNF	4	9	DNF	1	6				
15	Francesco Bagnaia #63			50	DNF	2	7	DNF	DNF	DNF	DNF	2	0	4	9	5	DNF	0	5	3	13				
16	Andrea Iannone #29			43	2	0	4	DNS	DNF	1	5	6	3	0	0	6	DNS	5	1	DNF	10				
17	Miguel Oliveira #88			33	0	5	2	0	1	0	4	3	0	3	8	DNF	0	3	0	4	DNS				
18	Johann Zarco #5			30	1	1	3	2	3	0	6	DNF	DNF	2	4	DNF	5	0	0	0	3				
19	Jorge Lorenzo #99			23	3	4	DNF	4	5	3	DNF	DNS	0	0	0	2	2	0	0	0	0				
20	Tito Rabat #53			18	0	DNF	1	1	DNF	DNF	7	0	5	0	DNF	DNF	3	1	0	DNS	DNF				
21	Stefan Bradl #6			16	0	0	0	6	0	0	0	0	6	1	3	0	0	0	0	0	0				
22	Michele Pirro #51			9	0	0	0	0	9	0	0	0	0	0	0	DNF	0	0	0	0	0				
23	Hafiz Syahrin #55			8	0	0	0	0	2	DNF	DNF	1	0	DNF	DNF	3	1	0	0	0	1				
24	Sylvain Guintoli #50			7	0	0	0	0	0	3	0	0	0	0	4	0	0	0	0	0	0				
25	Karel Abraham #17			7	0	DNF	0	0	DNF	2	DNF	0	1	0	1	1	0	0	0	0	2				
26	Mika Kallio #82			2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	DNF	2	0				
27	Bradley Smith #38			0	DNF	0	0	0	0	0	DNF	0	0	0	0	0	0	0	0	0	0				

1<sup>st</sup> ..... 25 pts    4<sup>th</sup> ..... 13 pts    7<sup>th</sup> ..... 9 pts    10<sup>th</sup> ..... 6 pts    13<sup>th</sup> ..... 3 pts  
 2<sup>nd</sup> ..... 20 pts    5<sup>th</sup> ..... 11 pts    8<sup>th</sup> ..... 8 pts    11<sup>th</sup> ..... 5 pts    14<sup>th</sup> ..... 2 pts    DNF: Did Not Finish  
 3<sup>rd</sup> ..... 16 pts    6<sup>th</sup> ..... 10 pts    9<sup>th</sup> ..... 7 pts    12<sup>th</sup> ..... 4 pts    15<sup>th</sup> ..... 1 pt    DNS: Did Not Start



# FACTS

**15,000**



The number of kilometres covered by a rider during a season (races and practice)



**22**

slick tyres a rider can use

during a grand prix weekend (free practice, qualifying, warm-up and race)



MINIMUM PRESSURE FOR A TYRE

Front slick

**1,9 BAR**

Rear slick

**1,7 BAR**



THE OPERATING TEMPERATURE

Front slick

**100°C**

Rear slick

**120°C**

## MICHELIN'S MotoGP™ RACE STAFF



**2 DEVELOPERS**



**8 TECHNICIANS**



**11 FITTERS**



**1 MANAGER**



**1 PRESS OFFICER**



**3 MARKETING / COMMUNICATION**



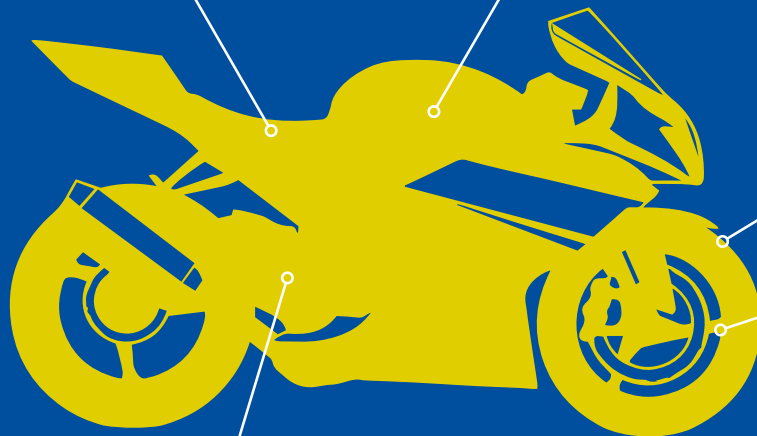
WEIGHT:

**157 kg**



MAXIMUM FUEL TANK CAPACITY:

**22 LITRES**



ENGINE DISPLACEMENT:

**1,000 cc**

**4**  
stroke

POWER:

**240 HP**

## TYRES



MICHELIN  
**POWER SLICK**



OR MICHELIN  
**POWER RAIN**

**17"**

RIM  
DIAMETER:

**17 INCHES**

SIZES:

FRONT: **12 / 60 - 17**

Width (cm)    Exterior diameter (cm)    Rim diameter (inches)

REAR: **20 / 69 - 17**





# MICHELIN'S MotoGP™ RANGE 2019 SEASON

## MICHELIN POWER SLICK

FRONT  
12/60 - 17



SOFT

MEDIUM

HARD

REAR  
20/69 - 17



## MICHELIN POWER RAIN

FRONT  
12/60 - 17



EXTRA SOFT

SOFT

MEDIUM

REAR  
20/69 - 17



# DO YOU SPEAK MotoGP™?

## Apex

The tightest point of a corner, which the rider usually rides through just before he begins to exit and accelerate away.

## Highside

A crash in which the rear wheel of the bike slides out from under the rider – so that he is essentially at a right angle to his racing line (the direction in which he was going) – and then regains grip, which flips the bike and rider over.

## Hole-shot

Taking the hole-shot means leading the race at the first corner.

## OnBoard

An 'OnBoard' is a television camera carried by a MotoGP™ bike. Installed in various parts of the bike, these cameras offer some of the most spectacular perspectives of the race.

## Paddock

The area adjacent to the pit boxes on the opposite side to the pit-lane, where teams and riders station their motorhomes and equipment for the duration of a grand prix weekend.

## Parc Ferme

Designated area in the pit-lane where podium-finishing riders (first three) in each class are interviewed by television crews immediately after each race.

## Pit box

The pit-boxes house teams over the course of a grand prix weekend, serving as a temporary garage and workshop.

## Pit-lane

An access lane to the track which runs alongside the start/finish straight, adjacent to the pit-boxes and separated from the circuit by the pit wall.

## Ride Through

A Ride Through procedure is a penalty where a rider is instructed to ride through the pit-lane – within a maximum speed limit – and can be imposed if he has contravened the regulations, for example, jump-starting before the race has officially commenced.

## Rookie

A rider competing in his first year in any of the three categories of grand prix racing is referred to as a rookie.

## Wild cards

Unregistered riders who are entered for one-off grands prix, as opposed to regular World Championship competitors.

