

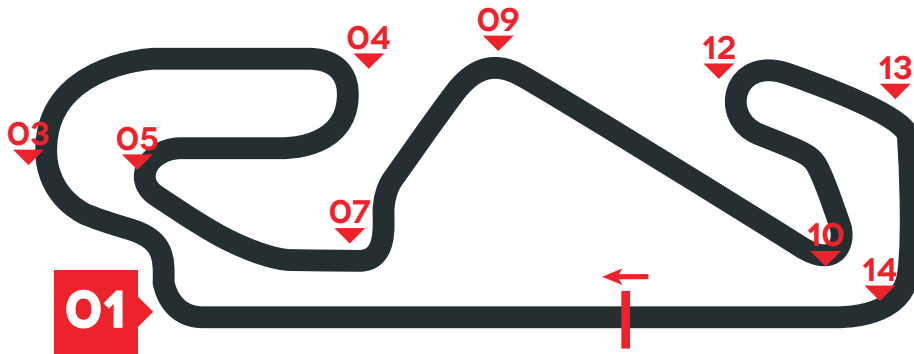
MOTOGP 2019 GRAN PREMIO MONSTER ENERGY DE CATALUNYA



**BRAKE CIRCUIT
IDENTITY CARDS**
14-16 JUN 2019

BRAKES EFFORT VERY HARD

TIME SPENT BRAKING 32%



brembo DATA

It is considered a very technical track with abrupt braking which stress the brakes considerably. The first brake after the finishing line at the end of a very long straight stretch where the motorcycles are involved in one of the most difficult cut off of the World Championship, must be pointed out in particular. The major criticalities for the braking system derive precisely because of the difficulty in cooling the brakes. The cut outs, all decisive and very close together, determine very high operating temperatures for the discs and brake pads which cannot cool sufficiently in the mixed part of the track.

CIRCUIT DATA

Length: **4,627 m** - Number of laps: **24**
Number of brake zones/lap: **10**

IMPORTANT

* **TURN 01** is considered the most demanding for the braking system.

Should you publish any of the data contained here please quote Brembo as source used.

01*		
Initial speed	340	(Km/h)
Final speed	101	(Km/h)
Stopping distance	293	(m)
Braking time	5.4	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.7	(Kg)

03		
Initial speed	163	(Km/h)
Final speed	144	(Km/h)
Stopping distance	59	(m)
Braking time	1.4	(sec)
Maximum deceleration	0.5	(g)
Max force on lever	0.8	(Kg)

04		
Initial speed	242	(Km/h)
Final speed	104	(Km/h)
Stopping distance	182	(m)
Braking time	4	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.6	(Kg)

05		
Initial speed	190	(Km/h)
Final speed	79	(Km/h)
Stopping distance	129	(m)
Braking time	3.6	(sec)
Maximum deceleration	1	(g)
Max force on lever	4.7	(Kg)

07		
Initial speed	231	(Km/h)
Final speed	105	(Km/h)
Stopping distance	155	(m)
Braking time	3.5	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.1	(Kg)

09		
Initial speed	201	(Km/h)
Final speed	134	(Km/h)
Stopping distance	106	(m)
Braking time	2.3	(sec)
Maximum deceleration	1	(g)
Max force on lever	4.4	(Kg)

10		
Initial speed	264	(Km/h)
Final speed	66	(Km/h)
Stopping distance	223	(m)
Braking time	5.3	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.6	(Kg)

12		
Initial speed	133	(Km/h)
Final speed	95	(Km/h)
Stopping distance	63	(m)
Braking time	2	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	2.7	(Kg)

13		
Initial speed	178	(Km/h)
Final speed	142	(Km/h)
Stopping distance	82	(m)
Braking time	1.8	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	2.3	(Kg)

14		
Initial speed	200	(Km/h)
Final speed	132	(Km/h)
Stopping distance	102	(m)
Braking time	2.3	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	4.2	(Kg)