

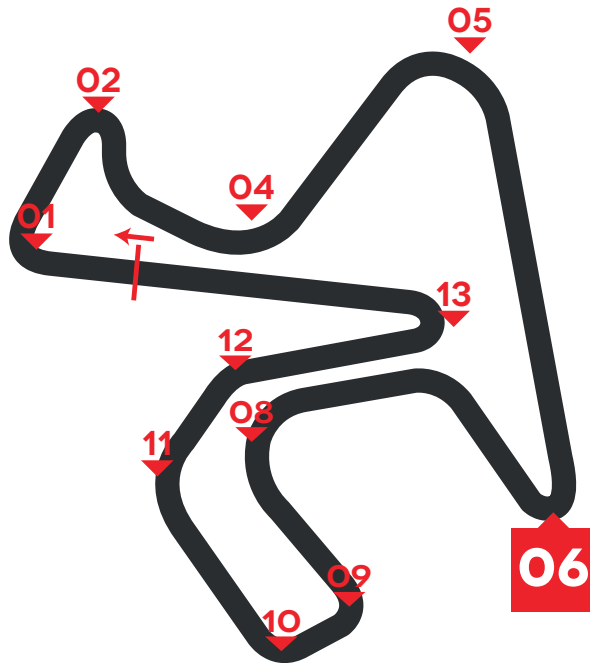
MOTOGP 2019 GRAN PREMIO RED BULL DE ESPAÑA



**BRAKE CIRCUIT
IDENTITY CARDS**
03-05 MAY 2019

BRAKES EFFORT HARD

TIME SPENT BRAKING 31%



brembo DATA

The track is one the MotoGP drivers' favourites with points which favour overtaking. The "hops" caused by the undulations of the asphalt, require well balanced, easy to handle motorcycle, which is stable when braked to be able to attack in the faster curves. The track is characterized by two very demanding cut outs (the 1 and 6) characterized by deceleration of 1.5 g and one of the most demanding in the work for the braking systems.

CIRCUIT DATA

Length: **4,423 m** - Number of laps: **25**
Number of brake zones/lap: **10**

IMPORTANT

* **TURN 06** 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	282 (Km/h)
Final speed	86 (Km/h)
Stopping distance	219 (m)
Braking time	4.6 (sec)
Maximum deceleration	1.5 (g)
Max force on lever	5.6 (Kg)

02	
Initial speed	171 (Km/h)
Final speed	67 (Km/h)
Stopping distance	101 (m)
Braking time	3.3 (sec)
Maximum deceleration	1.1 (g)
Max force on lever	4.4 (Kg)

04	
Initial speed	190 (Km/h)
Final speed	168 (Km/h)
Stopping distance	52 (m)
Braking time	1 (sec)
Maximum deceleration	0.7 (g)
Max force on lever	0.8 (Kg)

05	
Initial speed	228 (Km/h)
Final speed	125 (Km/h)
Stopping distance	155 (m)
Braking time	3.3 (sec)
Maximum deceleration	1.2 (g)
Max force on lever	3.5 (Kg)

06*	
Initial speed	293 (Km/h)
Final speed	68 (Km/h)
Stopping distance	242 (m)
Braking time	5.3 (sec)
Maximum deceleration	1.5 (g)
Max force on lever	5.4 (Kg)

08	
Initial speed	214 (Km/h)
Final speed	131 (Km/h)
Stopping distance	125 (m)
Braking time	2.7 (sec)
Maximum deceleration	1.1 (g)
Max force on lever	3.7 (Kg)

09	
Initial speed	194 (Km/h)
Final speed	100 (Km/h)
Stopping distance	119 (m)
Braking time	3 (sec)
Maximum deceleration	1 (g)
Max force on lever	4.2 (Kg)

10	
Initial speed	133 (Km/h)
Final speed	109 (Km/h)
Stopping distance	41 (m)
Braking time	1.2 (sec)
Maximum deceleration	0.8 (g)
Max force on lever	2.8 (Kg)

11	
Initial speed	212 (Km/h)
Final speed	155 (Km/h)
Stopping distance	98 (m)
Braking time	1.9 (sec)
Maximum deceleration	1.2 (g)
Max force on lever	3.4 (Kg)

13	
Initial speed	224 (Km/h)
Final speed	75 (Km/h)
Stopping distance	160 (m)
Braking time	4.1 (sec)
Maximum deceleration	1.2 (g)
Max force on lever	4.2 (Kg)