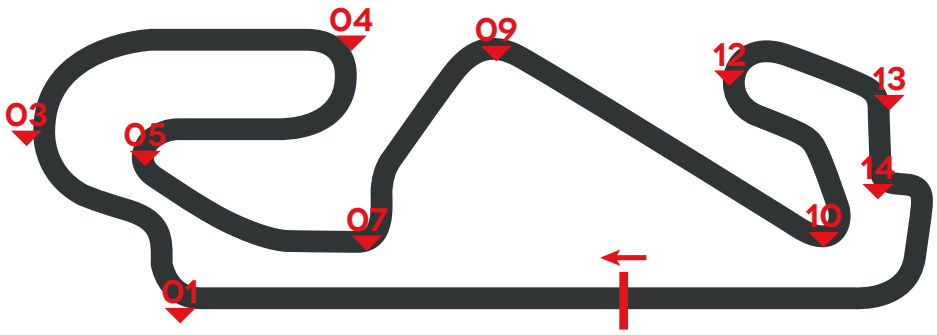
MOTOGP 2017 GRAN PREMIO
MONSTER ENERGY DE CATALUNYA

BRAKES EFFORT **VERY HARD**

TIME SPENT BRAKING **28%**

BRAKE CIRCUIT IDENTITY CARDS
09-11 JUN 2017



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: 4,655 m - Number of laps: 25
Number of brake zones/lap: 10

IMPORTANT

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

01*		
Initial speed	340	(Km/h)
Final speed	101	(Km/h)
Stopping distance	285	(m)
Braking time	5.1	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.7	(Kg)

03		
Initial speed	166	(Km/h)
Final speed	146	(Km/h)
Stopping distance	45	(m)
Braking time	1.0	(sec)
Maximum deceleration	0.6	(g)
Max force on lever	1.3	(Kg)

04		
Initial speed	239	(Km/h)
Final speed	101	(Km/h)
Stopping distance	173	(m)
Braking time	3.7	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.6	(Kg)

05		
Initial speed	189	(Km/h)
Final speed	78	(Km/h)
Stopping distance	128	(m)
Braking time	3.6	(sec)
Maximum deceleration	1.1	(g)
Max force on lever	5.7	(Kg)

07		
Initial speed	230	(Km/h)
Final speed	104	(Km/h)
Stopping distance	154	(m)
Braking time	3.4	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	5.9	(Kg)

09		
Initial speed	207	(Km/h)
Final speed	134	(Km/h)
Stopping distance	118	(m)
Braking time	2.4	(sec)
Maximum deceleration	1.0	(g)
Max force on lever	4.6	(Kg)

10		
Initial speed	267	(Km/h)
Final speed	62	(Km/h)
Stopping distance	220	(m)
Braking time	5.1	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	6.4	(Kg)

12		
Initial speed	129	(Km/h)
Final speed	102	(Km/h)
Stopping distance	45	(m)
Braking time	1.3	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	2.9	(Kg)

13		
Initial speed	160	(Km/h)
Final speed	97	(Km/h)
Stopping distance	89	(m)
Braking time	2.4	(sec)
Maximum deceleration	0.9	(g)
Max force on lever	4.5	(Kg)

14		
Initial speed	116	(Km/h)
Final speed	71	(Km/h)
Stopping distance	58	(m)
Braking time	2.1	(sec)
Maximum deceleration	0.8	(g)
Max force on lever	4.1	(Kg)