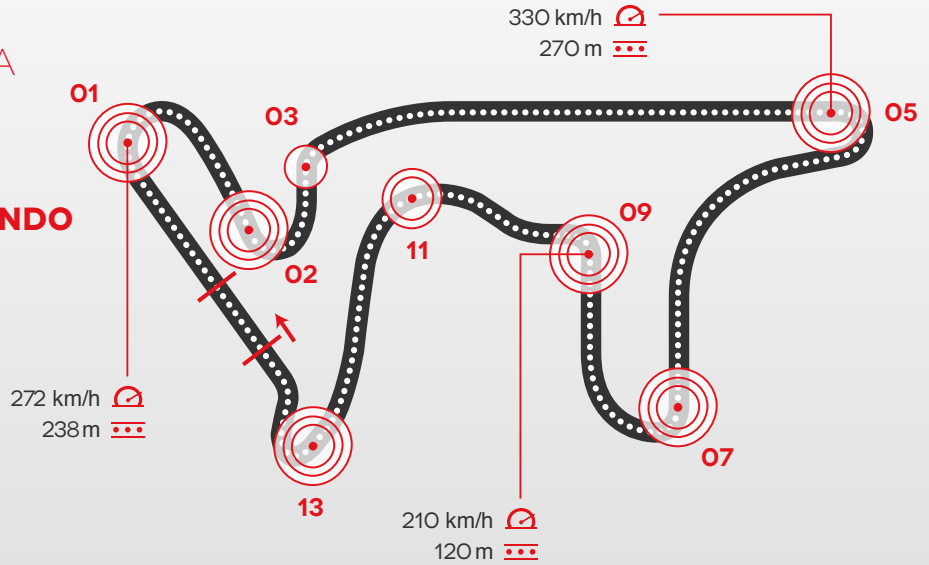
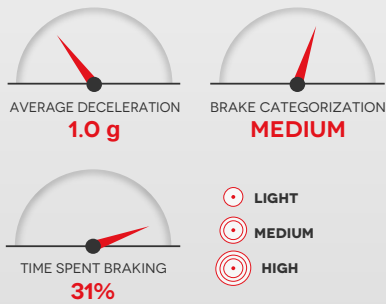


MOTO GP | BRAKE CIRCUIT
IDENTITY CARDS

GRAN PREMIO RED BULL
DE LA REPÚBLICA ARGENTINA

01-03 APR 2016

AUTÓDROMO TERMAS DE RÍO HONDO
(TERMAS DE RÍO HONDO)



CIRCUIT DATA

Length: 4,806 m
Number of laps: 25
Number of brakings: 8

COMMENT

The brand new Termas de Rio Hondo circuit is fairly demanding for the MotoGP braking systems with at least 3 braking sections characterized by significant decelerations. Particularly critical is the braking at Turn 5: here the bikes go from 330 km/h to 75 km/h in about 270 meters, forcing the pilots to apply a force on the brake lever equal to 12 kg.

01

Initial speed	272	(Km/h)
Final speed	101	(Km/h)
Stopping distance	238	(m)
Braking time	4.5	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	12	(Kg)

03

Initial speed	146	(Km/h)
Final speed	127	(Km/h)
Stopping distance	50	(m)
Braking time	1.8	(sec)
Maximum deceleration	0.4	(g)
Max force on lever	2.7	(Kg)

07

Initial speed	240	(Km/h)
Final speed	95	(Km/h)
Stopping distance	180	(m)
Braking time	4.3	(sec)
Maximum deceleration	1.1	(g)
Max force on lever	10	(Kg)

11

Initial speed	190	(Km/h)
Final speed	147	(Km/h)
Stopping distance	110	(m)
Braking time	2.3	(sec)
Maximum deceleration	0.6	(g)
Max force on lever	4.3	(Kg)

02

Initial speed	202	(Km/h)
Final speed	87	(Km/h)
Stopping distance	143	(m)
Braking time	3.8	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	8.0	(Kg)

05

Initial speed	330	(Km/h)
Final speed	75	(Km/h)
Stopping distance	270	(m)
Braking time	6.0	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	12	(Kg)

09

Initial speed	210	(Km/h)
Final speed	117	(Km/h)
Stopping distance	120	(m)
Braking time	3.0	(sec)
Maximum deceleration	0.7	(g)
Max force on lever	9.7	(Kg)

13

Initial speed	245	(Km/h)
Final speed	70	(Km/h)
Stopping distance	230	(m)
Braking time	6.0	(sec)
Maximum deceleration	1.1	(g)
Max force on lever	7.4	(Kg)