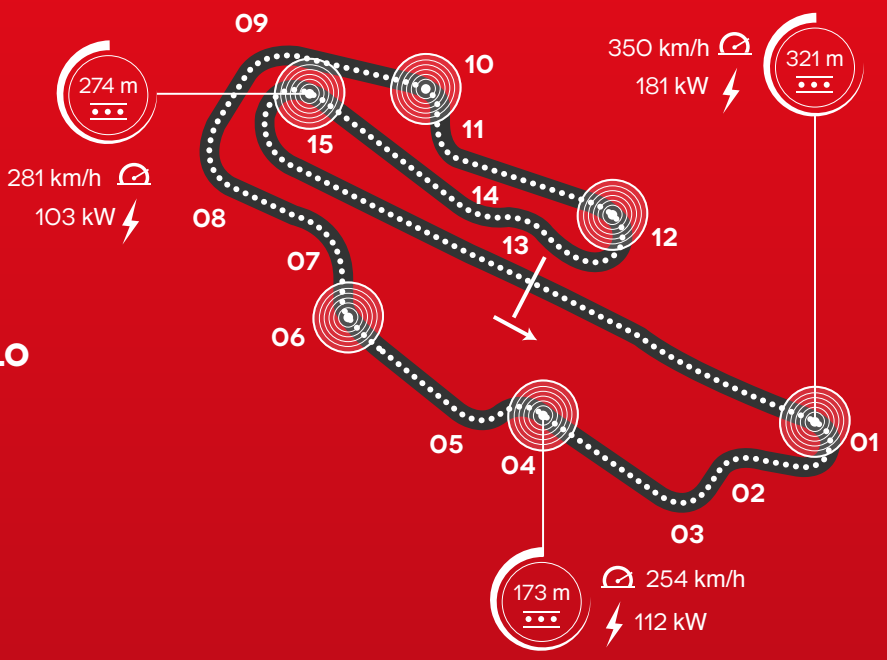
MOTO GP | BRAKE CIRCUIT IDENTITY CARDS

GRAN PREMIO D'ITALIA TIM

29–31 MAY 2015

AUTODROMO INTERN. DEL MUGELLO (SCARPERIA)

BRAKE CATEGORIZATION	MEDIUM
TIME SPENT BRAKING	19%
BRAKING ENERGY PRODUCED BY A BIKE DURING THE GP	4.6 kWh
INITIAL SPEED	STOPPING DISTANCE



CIRCUIT DATA

Length: 5,245 m
Number of laps: 23
Number of brakings: 6

COMMENT

It is not a particularly demanding circuit for the braking system with the exception of the first cut out after the finish line which is very difficult because of the extremely high speed which the motorcycles reach thanks to the preceding straight stretch, the longest of the world championship. Here the motorcycles in little more than 6 seconds go from over 350 km/h to a speed of approximately 120 km/h.
The other brakes are not particularly demanding and allow the braking systems to cool.

01

Initial speed	350	(Km/h)
Final speed	124	(Km/h)
Stopping distance	321	(m)
Braking time	6.1	(sec)
Maximum deceleration	1.6	(g)
Max force on lever	5.7	(Kg)

04

Initial speed	254	(Km/h)
Final speed	144	(Km/h)
Stopping distance	173	(m)
Braking time	3.9	(sec)
Maximum deceleration	1.5	(g)
Max force on lever	5.0	(Kg)

06

Initial speed	246	(Km/h)
Final speed	165	(Km/h)
Stopping distance	166	(m)
Braking time	4.0	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.4	(Kg)

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Initial speed	235	(Km/h)
Final speed	119	(Km/h)
Stopping distance	160	(m)
Braking time	3.8	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	4.4	(Kg)

12

Initial speed	256	(Km/h)
Final speed	132	(Km/h)
Stopping distance	184	(m)
Braking time	4.0	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.4	(Kg)

15

Initial speed	281	(Km/h)
Final speed	137	(Km/h)
Stopping distance	274	(m)
Braking time	5.7	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.2	(Kg)