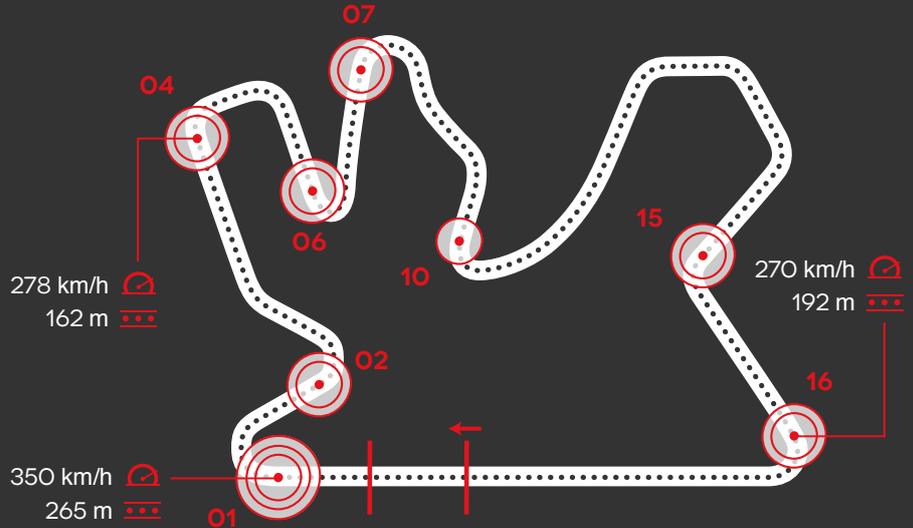
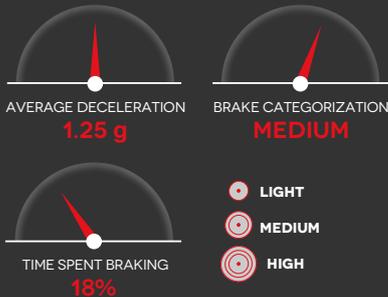


MOTO GP | BRAKE CIRCUIT  
IDENTITY CARDS

COMMERCIAL BANK  
GRAND PRIX OF QATAR

18-20 MAR 2016

LOSAIL INTERNATIONAL  
CIRCUIT (DOHA)



CIRCUIT DATA

**Length: 5,380 m**  
**Number of laps: 22**  
**Number of brakings: 8**

COMMENT

The Losail International Circuit, located just north of Doha, Qatar, is highly demanding on the braking system. The first turn is quite demanding. In fact, it is one of the most difficult turns in the world and requires the rider to apply 8 kg of force to the lever with a "jump in speed" to 250 km/h (124 mph). The GP is held under floodlights, which makes it possible to see the carbon brake discs become incandescent during the more abrupt turns. This phenomenon, even though rather frequent, cannot be seen during the other GP because of the sunlight which makes the chromatic change of the discs following thermal stress must less noticeable.

O1

Initial speed	350	(Km/h)
Final speed	106	(Km/h)
Stopping distance	265	(m)
Braking time	5.2	(sec)
Maximum deceleration	1.4	(g)
Max force on lever	8.0	(Kg)

O2

Initial speed	232	(Km/h)
Final speed	120	(Km/h)
Stopping distance	148	(m)
Braking time	3.6	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	4.3	(Kg)

O4

Initial speed	278	(Km/h)
Final speed	157	(Km/h)
Stopping distance	162	(m)
Braking time	3.0	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	5.9	(Kg)

O6

Initial speed	225	(Km/h)
Final speed	104	(Km/h)
Stopping distance	146	(m)
Braking time	4.4	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.0	(Kg)

O7

Initial speed	249	(Km/h)
Final speed	117	(Km/h)
Stopping distance	193	(m)
Braking time	4.3	(sec)
Maximum deceleration	1.2	(g)
Max force on lever	5.0	(Kg)

O10

Initial speed	219	(Km/h)
Final speed	151	(Km/h)
Stopping distance	152	(m)
Braking time	2.9	(sec)
Maximum deceleration	1.1	(g)
Max force on lever	3.7	(Kg)

O15

Initial speed	275	(Km/h)
Final speed	182	(Km/h)
Stopping distance	226	(m)
Braking time	4.5	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	4.2	(Kg)

O16

Initial speed	270	(Km/h)
Final speed	135	(Km/h)
Stopping distance	192	(m)
Braking time	4.4	(sec)
Maximum deceleration	1.3	(g)
Max force on lever	6.4	(Kg)