

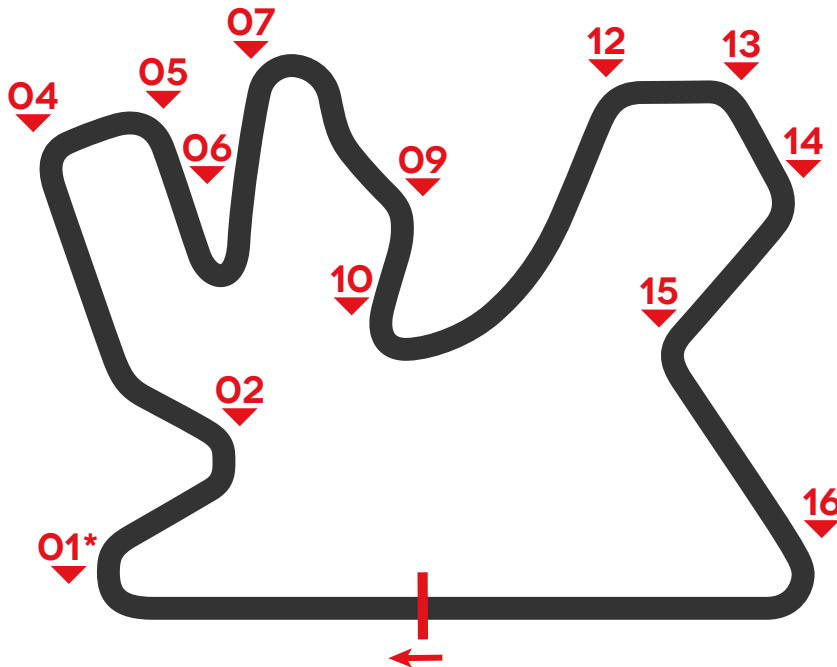
MOTOGP 2018 LOSAIL INTERNATIONAL CIRCUIT



BRAKES EFFORT **MEDIUM**

TIME SPENT BRAKING **30%**

BRAKE CIRCUIT
IDENTITY CARDS
16-18 MAR 2018



CIRCUIT DATA

Length: **5,380 m** - Number of laps: **22**
Number of brake zones/lap: **13**

IMPORTANT

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

brembo DATA

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.

Should you publish any of the data contained here please quote Brembo as source used.

| 01* | |
|----------------------|------------|
| Initial speed | 350 (Km/h) |
| Final speed | 99 (Km/h) |
| Stopping distance | 289 (m) |
| Braking time | 5.1 (sec) |
| Maximum deceleration | 1.5 (g) |
| Max force on lever | 8 (Kg) |

| 02 | |
|----------------------|------------|
| Initial speed | 182 (Km/h) |
| Final speed | 102 (Km/h) |
| Stopping distance | 119 (m) |
| Braking time | 3 (sec) |
| Maximum deceleration | 1 (g) |
| Max force on lever | 4 (Kg) |

| 04 | |
|----------------------|------------|
| Initial speed | 254 (Km/h) |
| Final speed | 119 (Km/h) |
| Stopping distance | 173 (m) |
| Braking time | 3.5 (sec) |
| Maximum deceleration | 1.5 (g) |
| Max force on lever | 6 (Kg) |

| 05 | |
|----------------------|------------|
| Initial speed | 144 (Km/h) |
| Final speed | 120 (Km/h) |
| Stopping distance | 51 (m) |
| Braking time | 1.4 (sec) |
| Maximum deceleration | 0.8 (g) |
| Max force on lever | 3 (Kg) |

| 06 | |
|----------------------|------------|
| Initial speed | 192 (Km/h) |
| Final speed | 72 (Km/h) |
| Stopping distance | 131 (m) |
| Braking time | 3.6 (sec) |
| Maximum deceleration | 1.1 (g) |
| Max force on lever | 5 (Kg) |

| 07 | |
|----------------------|------------|
| Initial speed | 218 (Km/h) |
| Final speed | 97 (Km/h) |
| Stopping distance | 157 (m) |
| Braking time | 3.8 (sec) |
| Maximum deceleration | 1.4 (g) |
| Max force on lever | 6 (Kg) |

| 09 | |
|----------------------|------------|
| Initial speed | 193 (Km/h) |
| Final speed | 131 (Km/h) |
| Stopping distance | 104 (m) |
| Braking time | 2.3 (sec) |
| Maximum deceleration | 1 (g) |
| Max force on lever | 4 (Kg) |

| 10 | |
|----------------------|------------|
| Initial speed | 167 (Km/h) |
| Final speed | 96 (Km/h) |
| Stopping distance | 94 (m) |
| Braking time | 2.5 (sec) |
| Maximum deceleration | 1 (g) |
| Max force on lever | 5 (Kg) |

| 12 | |
|----------------------|------------|
| Initial speed | 255 (Km/h) |
| Final speed | 153 (Km/h) |
| Stopping distance | 162 (m) |
| Braking time | 2.9 (sec) |
| Maximum deceleration | 1.3 (g) |
| Max force on lever | 5 (Kg) |

| 13 | |
|----------------------|------------|
| Initial speed | 174 (Km/h) |
| Final speed | 153 (Km/h) |
| Stopping distance | 47 (m) |
| Braking time | 1 (sec) |
| Maximum deceleration | 0.9 (g) |
| Max force on lever | 3 (Kg) |

| 14 | |
|----------------------|------------|
| Initial speed | 183 (Km/h) |
| Final speed | 136 (Km/h) |
| Stopping distance | 84 (m) |
| Braking time | 1.9 (sec) |
| Maximum deceleration | 1 (g) |
| Max force on lever | 4 (Kg) |

| 15 | |
|----------------------|------------|
| Initial speed | 207 (Km/h) |
| Final speed | 133 (Km/h) |
| Stopping distance | 121 (m) |
| Braking time | 2.5 (sec) |
| Maximum deceleration | 1.1 (g) |
| Max force on lever | 5 (Kg) |

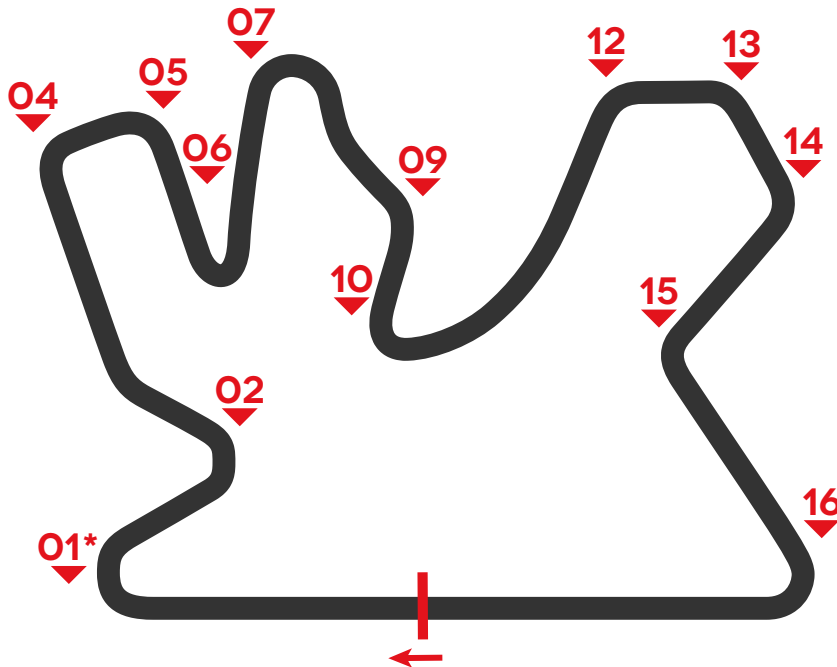
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| | | |
|----------------------|-----|--------|
| Initial speed | 248 | (Km/h) |
| Final speed | 96 | (Km/h) |
| Stopping distance | 178 | (m) |
| Braking time | 3.9 | (sec) |
| Maximum deceleration | 1.5 | (g) |
| Max force on lever | 6 | (Kg) |