



CIRCUIT DATA

Length: 5,380 m - Number of laps: 22
Number of brake zones/lap: 11

IMPORTANT

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



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 11.2 lbs 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	104 (Km/h)
Stopping distance	267 (m)
Braking time	4.9 (sec)
Maximum deceleration	1.5 (g)
Max force on lever	5.1 (Kg)

02	
Initial speed	183 (Km/h)
Final speed	103 (Km/h)
Stopping distance	109 (m)
Braking time	2.8 (sec)
Maximum deceleration	1.1 (g)
Max force on lever	3.8 (Kg)

04	
Initial speed	250 (Km/h)
Final speed	120 (Km/h)
Stopping distance	161 (m)
Braking time	3.3 (sec)
Maximum deceleration	1.5 (g)
Max force on lever	4.7 (Kg)

06	
Initial speed	189 (Km/h)
Final speed	76 (Km/h)
Stopping distance	122 (m)
Braking time	3.4 (sec)
Maximum deceleration	1.1 (g)
Max force on lever	3.9 (Kg)

07	
Initial speed	215 (Km/h)
Final speed	97 (Km/h)
Stopping distance	154 (m)
Braking time	3.8 (sec)
Maximum deceleration	1.3 (g)
Max force on lever	4.1 (Kg)

09	
Initial speed	190 (Km/h)
Final speed	138 (Km/h)
Stopping distance	95 (m)
Braking time	2.1 (sec)
Maximum deceleration	0.9 (g)
Max force on lever	2.7 (Kg)

10	
Initial speed	167 (Km/h)
Final speed	101 (Km/h)
Stopping distance	84 (m)
Braking time	2.3 (sec)
Maximum deceleration	1.1 (g)
Max force on lever	3.8 (Kg)

12	
Initial speed	253 (Km/h)
Final speed	158 (Km/h)
Stopping distance	147 (m)
Braking time	2.6 (sec)
Maximum deceleration	1.3 (g)
Max force on lever	3.9 (Kg)

14	
Initial speed	184 (Km/h)
Final speed	143 (Km/h)
Stopping distance	72 (m)
Braking time	1.6 (sec)
Maximum deceleration	0.9 (g)
Max force on lever	2.8 (Kg)

15	
Initial speed	203 (Km/h)
Final speed	139 (Km/h)
Stopping distance	91 (m)
Braking time	1.9 (sec)
Maximum deceleration	1.1 (g)
Max force on lever	3.8 (Kg)

16	
Initial speed	245 (Km/h)
Final speed	100 (Km/h)
Stopping distance	178 (m)
Braking time	4 (sec)
Maximum deceleration	1.4 (g)
Max force on lever	4.6 (Kg)