

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT

■■■■ MEDIUM

TIME SPENT BRAKING

🕒 30%

CIRCUIT LENGTH

📏 5,380 M

NUMBER OF LAPS

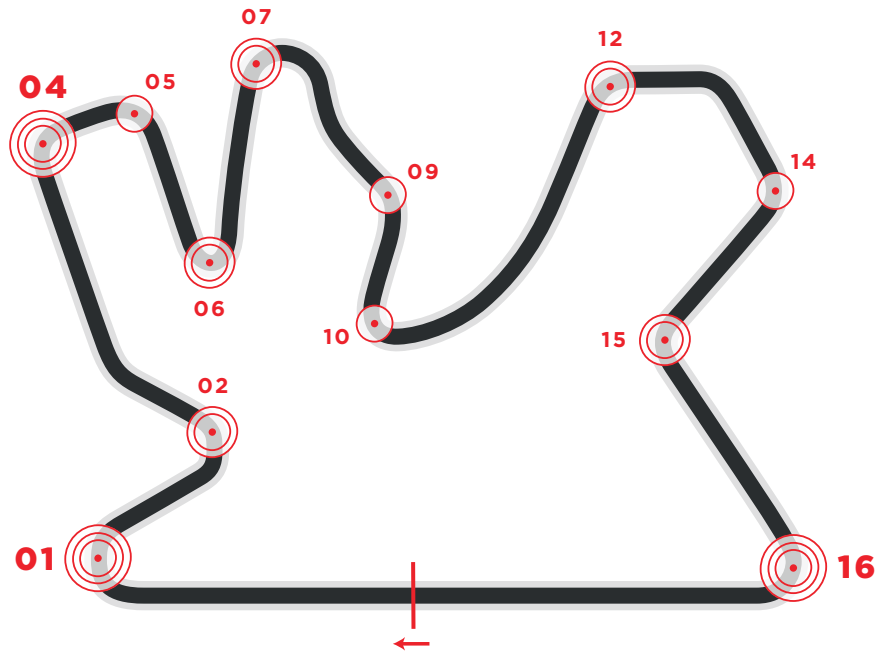
🏁 22

NUMBER OF BRAKE ZONES/LAP

🛑 12

IMPORTANT

TURN 01*, **TURN 04*** and **TURN 16*** are 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 (155 mph). As in the past, 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.

TURN 01	Initial speed	346	(Km/h)
	Final speed	98	(Km/h)
	Stopping distance	263	(m)
	Braking time	4.9	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.1	(Kg)

TURN 02	Initial speed	182	(Km/h)
	Final speed	108	(Km/h)
	Stopping distance	98	(m)
	Braking time	2.5	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	3.5	(Kg)

TURN 04	Initial speed	249	(Km/h)
	Final speed	119	(Km/h)
	Stopping distance	163	(m)
	Braking time	3.3	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	4.5	(Kg)

TURN 05	Initial speed	141	(Km/h)
	Final speed	123	(Km/h)
	Stopping distance	42	(m)
	Braking time	1.1	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	1.7	(Kg)

TURN 06	Initial speed	191	(Km/h)
	Final speed	72	(Km/h)
	Stopping distance	121	(m)
	Braking time	3.4	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4	(Kg)

TURN 07	Initial speed	217	(Km/h)
	Final speed	97	(Km/h)
	Stopping distance	147	(m)
	Braking time	3.6	(sec)
	Maximum deceleration	1.3	(g)
	Max force on lever	3.9	(Kg)

TURN 09	Initial speed	189	(Km/h)
	Final speed	134	(Km/h)
	Stopping distance	96	(m)
	Braking time	2.1	(sec)
	Maximum deceleration	0.9	(g)
	Max force on lever	2.5	(Kg)

TURN 10	Initial speed	168	(Km/h)
	Final speed	99	(Km/h)
	Stopping distance	89	(m)
	Braking time	2.4	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	3.5	(Kg)

TURN 12	Initial speed	253	(Km/h)
	Final speed	155	(Km/h)
	Stopping distance	146	(m)
	Braking time	2.6	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	3.8	(Kg)

TURN 14	Initial speed	183	(Km/h)
	Final speed	140	(Km/h)
	Stopping distance	75	(m)
	Braking time	1.7	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	2.8	(Kg)

TURN 15	Initial speed	206	(Km/h)
	Final speed	134	(Km/h)
	Stopping distance	98	(m)
	Braking time	2.1	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	3.7	(Kg)

TURN 16	Initial speed	247	(Km/h)
	Final speed	96	(Km/h)
	Stopping distance	175	(m)
	Braking time	3.9	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	4.4	(Kg)