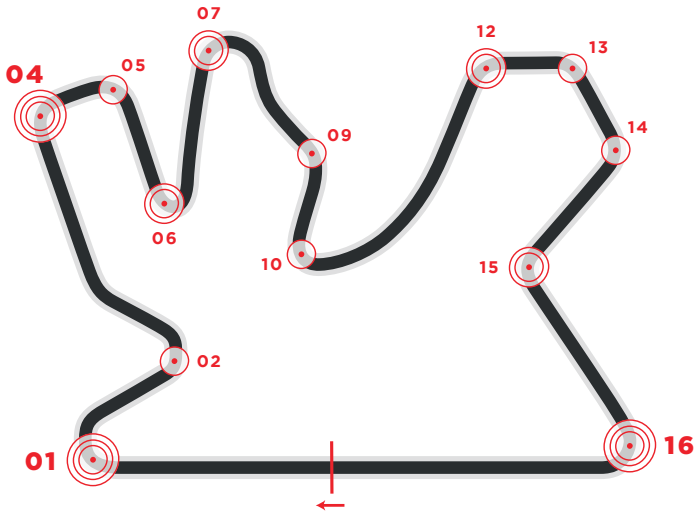




04-06 MAR 2022



BRAKE CIRCUIT IDENTITY CARD

The Losail International Circuit, located just north of Doha, Qatar, is highly demanding on the braking system. Brakes are needed on 13 of the 16 corners at the Losail International Circuit: this is the highest value of the season and higher than the 12 braking episodes per lap at Jerez and Misano Adriatico. The amount of time that the brake system is in use is also a record: 40 seconds per lap, 15 seconds more than Sachsenring and Phillip Island.

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

BRAKES EFFORT MEDIUM

TIME SPENT BRAKING 36%

TURN 01*, TURN 16* AND TURN 04* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

CIRCUIT LENGTH 🏍️ **5.380 M**

NUMBER OF LAPS 🏁 **22**

NUMBER OF BRAKE ZONES/LAP 🏍️ **13**

TURN 01	Initial speed	346	(Km/h)
	Final speed	102	(Km/h)
	Stopping distance	258	(m)
	Braking time	5.5	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.7	(Kg)

TURN 02	Initial speed	185	(Km/h)
	Final speed	102	(Km/h)
	Stopping distance	118	(m)
	Braking time	3.1	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	3.5	(Kg)

TURN 04	Initial speed	258	(Km/h)
	Final speed	120	(Km/h)
	Stopping distance	173	(m)
	Braking time	3.8	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	4.5	(Kg)

TURN 05	Initial speed	145	(Km/h)
	Final speed	122	(Km/h)
	Stopping distance	62	(m)
	Braking time	1.7	(sec)
	Maximum deceleration	0.6	(g)
	Max force on lever	2	(Kg)

TURN 06	Initial speed	191	(Km/h)
	Final speed	72	(Km/h)
	Stopping distance	132	(m)
	Braking time	3.9	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4.2	(Kg)

TURN 07	Initial speed	216	(Km/h)
	Final speed	100	(Km/h)
	Stopping distance	158	(m)
	Braking time	4.1	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	3.7	(Kg)

TURN 09	Initial speed	195	(Km/h)
	Final speed	135	(Km/h)
	Stopping distance	105	(m)
	Braking time	2.4	(sec)
	Maximum deceleration	0.9	(g)
	Max force on lever	2.8	(Kg)

TURN 10	Initial speed	158	(Km/h)
	Final speed	101	(Km/h)
	Stopping distance	91	(m)
	Braking time	2.7	(sec)
	Maximum deceleration	0.9	(g)
	Max force on lever	3	(Kg)

TURN 12	Initial speed	257	(Km/h)
	Final speed	156	(Km/h)
	Stopping distance	168	(m)
	Braking time	3.2	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	3.5	(Kg)

TURN 13	Initial speed	172	(Km/h)
	Final speed	151	(Km/h)
	Stopping distance	59	(m)
	Braking time	1.4	(sec)
	Maximum deceleration	0.6	(g)
	Max force on lever	1.8	(Kg)

TURN 14	Initial speed	182	(Km/h)
	Final speed	133	(Km/h)
	Stopping distance	85	(m)
	Braking time	2	(sec)
	Maximum deceleration	0.9	(g)
	Max force on lever	3.3	(Kg)

TURN 15	Initial speed	209	(Km/h)
	Final speed	132	(Km/h)
	Stopping distance	116	(m)
	Braking time	2.5	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4	(Kg)

TURN 16	Initial speed	250	(Km/h)
	Final speed	100	(Km/h)
	Stopping distance	179	(m)
	Braking time	4.1	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	4.8	(Kg)