

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT

▬▬▬▬ **HARD**

TIME SPENT BRAKING

🕒 **27%**

CIRCUIT LENGTH

🏁 **5,077 M**

NUMBER OF LAPS

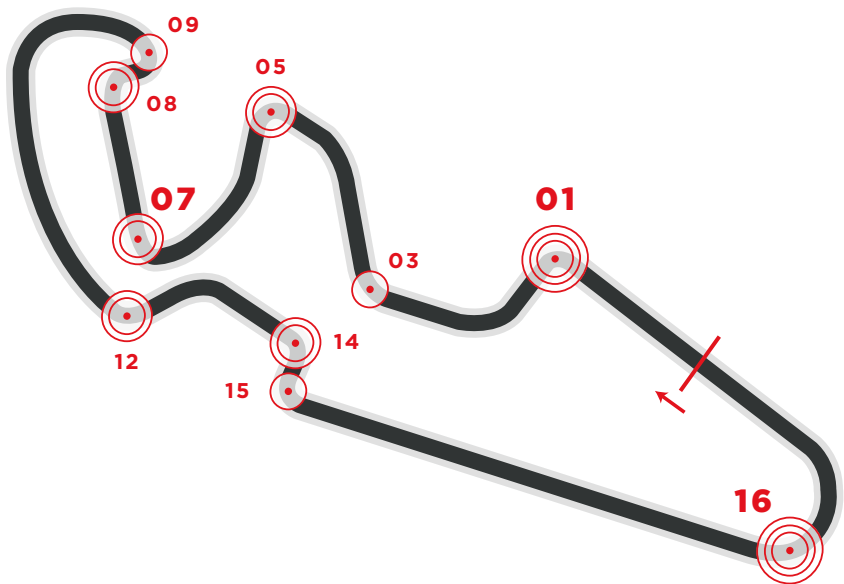
🏁 **18**

NUMBER OF BRAKE ZONES/LAP

🏁 **10**

IMPORTANT

TURN 01*, **TURN 16*** and **TURN 07*** are considered the most demanding for the braking system.



The Spanish track stands out for having eight of 17 curves where the travelling speed is below 100 Km/h yet the use of the brakes remains high. The series of quick braking sections on the first stretch of the track puts a great deal of force on the bikes' steel discs, which have a tough time cooling down. The riders also undergo significant strain in terms of the overall load they place on the brake lever.

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

TURN 01	Initial speed	274	(Km/h)
	Final speed	92	(Km/h)
	Stopping distance	204	(m)
	Braking time	4.1	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.6	(Kg)

TURN 03	Initial speed	200	(Km/h)
	Final speed	160	(Km/h)
	Stopping distance	67	(m)
	Braking time	1.3	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	3.6	(Kg)

TURN 05	Initial speed	168	(Km/h)
	Final speed	84	(Km/h)
	Stopping distance	88	(m)
	Braking time	2.5	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	5.1	(Kg)

TURN 07	Initial speed	203	(Km/h)
	Final speed	86	(Km/h)
	Stopping distance	128	(m)
	Braking time	3.3	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	5.2	(Kg)

TURN 08	Initial speed	205	(Km/h)
	Final speed	96	(Km/h)
	Stopping distance	154	(m)
	Braking time	3.7	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	5.8	(Kg)

TURN 09	Initial speed	95	(Km/h)
	Final speed	71	(Km/h)
	Stopping distance	37	(m)
	Braking time	1.5	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	2.8	(Kg)

TURN 12	Initial speed	254	(Km/h)
	Final speed	93	(Km/h)
	Stopping distance	216	(m)
	Braking time	4.5	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4.8	(Kg)

TURN 14	Initial speed	181	(Km/h)
	Final speed	85	(Km/h)
	Stopping distance	119	(m)
	Braking time	3.2	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4.8	(Kg)

TURN 15	Initial speed	98	(Km/h)
	Final speed	76	(Km/h)
	Stopping distance	31	(m)
	Braking time	1.3	(sec)
	Maximum deceleration	0.8	(g)
	Max force on lever	3.5	(Kg)

TURN 16	Initial speed	305	(Km/h)
	Final speed	140	(Km/h)
	Stopping distance	248	(m)
	Braking time	4	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	4.7	(Kg)