

BRAKE CIRCUIT IDENTITY CARDS

BRAKES EFFORT

 **HARD**

TIME SPENT BRAKING

 **28%**

CIRCUIT LENGTH

 **5,077 M**

NUMBER OF LAPS

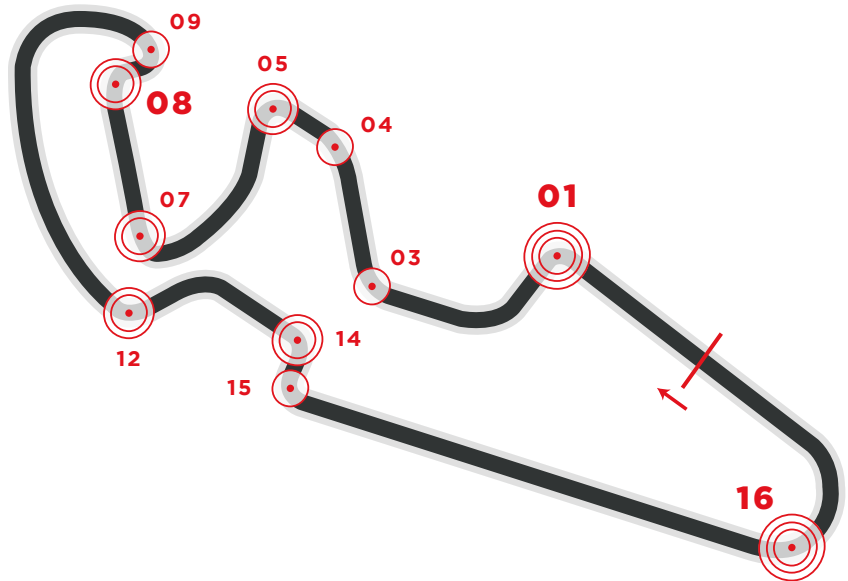
 **18**

NUMBER OF BRAKE ZONES/LAP

 **10**

IMPORTANT

TURN 16*, **TURN 01*** 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	269	(Km/h)
	Final speed	85	(Km/h)
	Stopping distance	212	(m)
	Braking time	4.6	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	4.8	(Kg)

TURN 03	Initial speed	205	(Km/h)
	Final speed	165	(Km/h)
	Stopping distance	82	(m)
	Braking time	1.6	(sec)
	Maximum deceleration	0.8	(g)
	Max force on lever	1.8	(Kg)

TURN 04	Initial speed	206	(Km/h)
	Final speed	187	(Km/h)
	Stopping distance	55	(m)
	Braking time	0.4	(sec)
	Maximum deceleration	0.6	(g)
	Max force on lever	0.7	(Kg)

TURN 05	Initial speed	165	(Km/h)
	Final speed	82	(Km/h)
	Stopping distance	88	(m)
	Braking time	2.7	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	3.8	(Kg)

TURN 07	Initial speed	202	(Km/h)
	Final speed	88	(Km/h)
	Stopping distance	119	(m)
	Braking time	3.1	(sec)
	Maximum deceleration	1.3	(g)
	Max force on lever	5.1	(Kg)

TURN 08	Initial speed	205	(Km/h)
	Final speed	94	(Km/h)
	Stopping distance	146	(m)
	Braking time	3.7	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4.4	(Kg)

TURN 09	Initial speed	99	(Km/h)
	Final speed	71	(Km/h)
	Stopping distance	36	(m)
	Braking time	1.5	(sec)
	Maximum deceleration	0.8	(g)
	Max force on lever	3.4	(Kg)

TURN 12	Initial speed	254	(Km/h)
	Final speed	90	(Km/h)
	Stopping distance	206	(m)
	Braking time	4.5	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4.8	(Kg)

TURN 14	Initial speed	182	(Km/h)
	Final speed	86	(Km/h)
	Stopping distance	118	(m)
	Braking time	3.3	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	5.0	(Kg)

TURN 15	Initial speed	100	(Km/h)
	Final speed	77	(Km/h)
	Stopping distance	40	(m)
	Braking time	1.6	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	2.7	(Kg)

TURN 16	Initial speed	305	(Km/h)
	Final speed	140	(Km/h)
	Stopping distance	230	(m)
	Braking time	4	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	4.9	(Kg)