

BRAKE CIRCUIT IDENTITY CARDS

BRAKES EFFORT

 **HARD**

TIME SPENT BRAKING

 **31%**

CIRCUIT LENGTH

 **5,077 M**

NUMBER OF LAPS

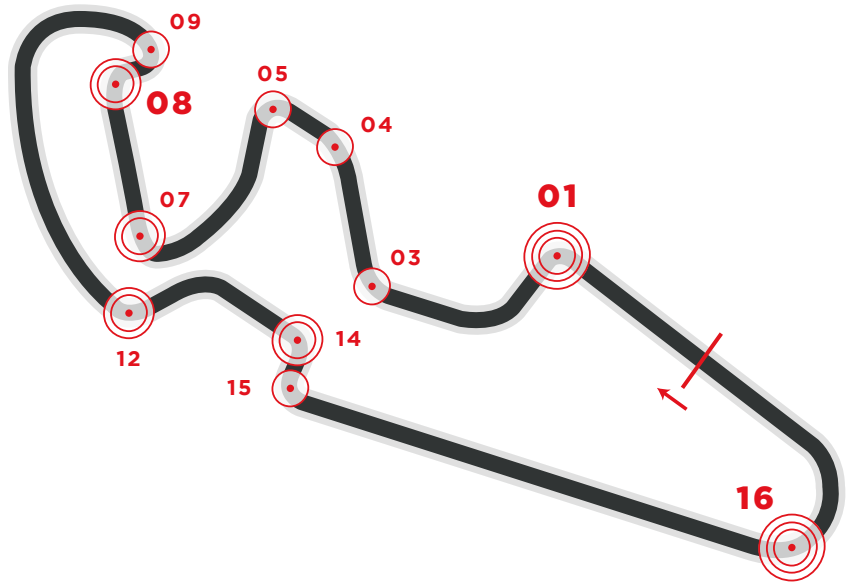
 **23**

NUMBER OF BRAKE ZONES/LAP

 **11**

IMPORTANT

TURN 16*, **TURN 01*** and **TURN 12*** 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' carbon 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	290	(Km/h)
	Final speed	91	(Km/h)
	Stopping distance	243	(m)
	Braking time	4.8	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	5.1	(Kg)

TURN 03	Initial speed	207	(Km/h)
	Final speed	161	(Km/h)
	Stopping distance	86	(m)
	Braking time	1.7	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	3.2	(Kg)

TURN 04	Initial speed	204	(Km/h)
	Final speed	166	(Km/h)
	Stopping distance	112	(m)
	Braking time	1.3	(sec)
	Maximum deceleration	0.6	(g)
	Max force on lever	0.8	(Kg)

TURN 05	Initial speed	162	(Km/h)
	Final speed	89	(Km/h)
	Stopping distance	85	(m)
	Braking time	2.5	(sec)
	Maximum deceleration	0.9	(g)
	Max force on lever	2.8	(Kg)

TURN 07	Initial speed	200	(Km/h)
	Final speed	90	(Km/h)
	Stopping distance	134	(m)
	Braking time	3.5	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4	(Kg)

TURN 08	Initial speed	213	(Km/h)
	Final speed	99	(Km/h)
	Stopping distance	149	(m)
	Braking time	3.6	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4.5	(Kg)

TURN 09	Initial speed	99	(Km/h)
	Final speed	73	(Km/h)
	Stopping distance	38	(m)
	Braking time	1.6	(sec)
	Maximum deceleration	0.8	(g)
	Max force on lever	2.6	(Kg)

TURN 12	Initial speed	264	(Km/h)
	Final speed	91	(Km/h)
	Stopping distance	219	(m)
	Braking time	4.7	(sec)
	Maximum deceleration	1.3	(g)
	Max force on lever	4.6	(Kg)

TURN 14	Initial speed	184	(Km/h)
	Final speed	89	(Km/h)
	Stopping distance	116	(m)
	Braking time	3.2	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4.2	(Kg)

TURN 15	Initial speed	104	(Km/h)
	Final speed	78	(Km/h)
	Stopping distance	37	(m)
	Braking time	1.5	(sec)
	Maximum deceleration	0.9	(g)
	Max force on lever	2.6	(Kg)

TURN 16	Initial speed	337	(Km/h)
	Final speed	143	(Km/h)
	Stopping distance	286	(m)
	Braking time	4.6	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	6	(Kg)