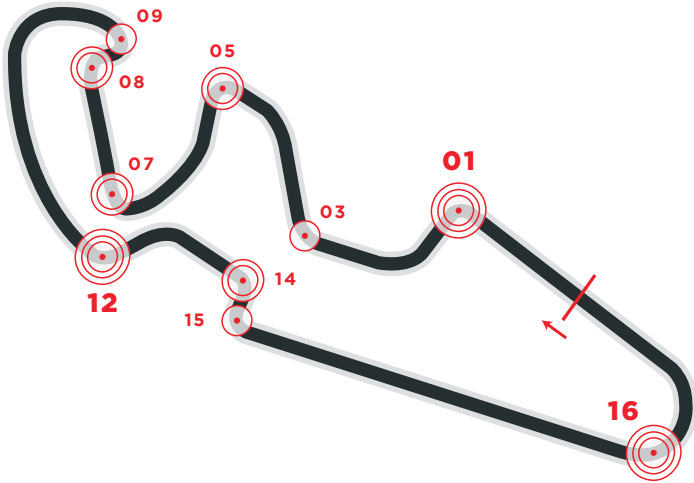




08-10 APR 2022



BRAKE CIRCUIT IDENTITY CARD

The Spanish track stands out for having eight of 17 curves where the travelling speed not exceeding 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.

BRAKES EFFORT HARD

TIME SPENT BRAKING 27%

TURN 01*, TURN 16* AND TURN 12* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

CIRCUIT LENGTH 🏍️ **5.077 M**

NUMBER OF LAPS 🏁 **18**

NUMBER OF BRAKE ZONES/LAP 🏍️ **10**

TURN 01	Initial speed	275	(Km/h)
	Final speed	88	(Km/h)
	Stopping distance	202	(m)
	Braking time	4.3	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	4.6	(Kg)

TURN 03	Initial speed	209	(Km/h)
	Final speed	156	(Km/h)
	Stopping distance	83	(m)
	Braking time	1.6	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	2.8	(Kg)

TURN 05	Initial speed	173	(Km/h)
	Final speed	82	(Km/h)
	Stopping distance	111	(m)
	Braking time	3.2	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	3.4	(Kg)

TURN 07	Initial speed	202	(Km/h)
	Final speed	87	(Km/h)
	Stopping distance	120	(m)
	Braking time	3	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	3.8	(Kg)

TURN 08	Initial speed	209	(Km/h)
	Final speed	100	(Km/h)
	Stopping distance	135	(m)
	Braking time	3.2	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	3.9	(Kg)

TURN 09	Initial speed	101	(Km/h)
	Final speed	71	(Km/h)
	Stopping distance	45	(m)
	Braking time	1.9	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	2.4	(Kg)

TURN 12	Initial speed	256	(Km/h)
	Final speed	91	(Km/h)
	Stopping distance	190	(m)
	Braking time	4.2	(sec)
	Maximum deceleration	1.4	(g)
	Max force on lever	4.1	(Kg)

TURN 14	Initial speed	186	(Km/h)
	Final speed	91	(Km/h)
	Stopping distance	111	(m)
	Braking time	2.9	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	3.8	(Kg)

TURN 15	Initial speed	97	(Km/h)
	Final speed	75	(Km/h)
	Stopping distance	41	(m)
	Braking time	1.7	(sec)
	Maximum deceleration	0.6	(g)
	Max force on lever	1.8	(Kg)

TURN 16	Initial speed	312	(Km/h)
	Final speed	142	(Km/h)
	Stopping distance	219	(m)
	Braking time	3.6	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	4.3	(Kg)