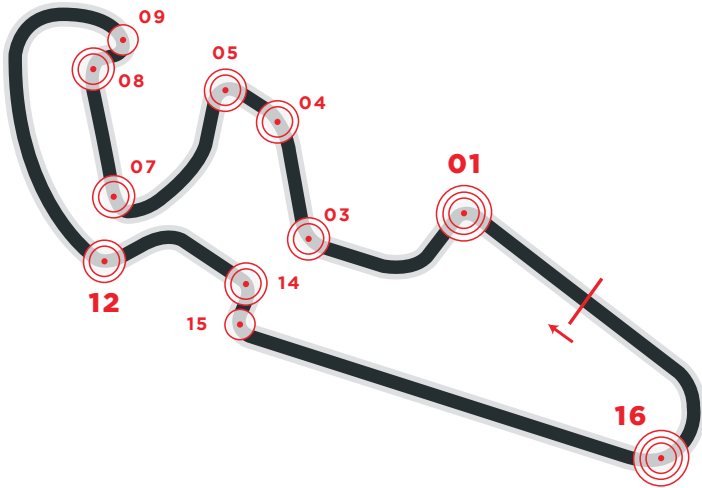




2022 MOTOGP GRAN PREMIO DE ARAGÓN



16-18 SEP 2022



BRAKE CIRCUIT IDENTITY CARD

The Spanish track stands out for having eight of 17 curves where the travelling speed is below 100 Km/h (62 mph) 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.

BRAKES EFFORT MEDIUM

TIME SPENT BRAKING 33%

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

CIRCUIT LENGTH 5.077 M

NUMBER OF LAPS 23

NUMBER OF BRAKE ZONES/LAP 11

TURN 01	Initial speed	291	(Km/h)
	Final speed	91	(Km/h)
	Stopping distance	222	(m)
	Braking time	4.9	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	6.1	(Kg)

TURN 03	Initial speed	204	(Km/h)
	Final speed	159	(Km/h)
	Stopping distance	89	(m)
	Braking time	1.9	(sec)
	Maximum deceleration	0.8	(g)
	Max force on lever	2.6	(Kg)

TURN 04	Initial speed	204	(Km/h)
	Final speed	167	(Km/h)
	Stopping distance	120	(m)
	Braking time	1.6	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	2.2	(Kg)

TURN 05	Initial speed	164	(Km/h)
	Final speed	86	(Km/h)
	Stopping distance	93	(m)
	Braking time	2.8	(sec)
	Maximum deceleration	1	(g)
	Max force on lever	3.5	(Kg)

TURN 07	Initial speed	202	(Km/h)
	Final speed	89	(Km/h)
	Stopping distance	133	(m)
	Braking time	3.8	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4.2	(Kg)

TURN 08	Initial speed	216	(Km/h)
	Final speed	99	(Km/h)
	Stopping distance	154	(m)
	Braking time	3.9	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4.6	(Kg)

TURN 09	Initial speed	98	(Km/h)
	Final speed	74	(Km/h)
	Stopping distance	44	(m)
	Braking time	1.9	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	2.1	(Kg)

TURN 12	Initial speed	265	(Km/h)
	Final speed	97	(Km/h)
	Stopping distance	213	(m)
	Braking time	4.8	(sec)
	Maximum deceleration	1.2	(g)
	Max force on lever	4.6	(Kg)

TURN 14	Initial speed	182	(Km/h)
	Final speed	90	(Km/h)
	Stopping distance	116	(m)
	Braking time	3.3	(sec)
	Maximum deceleration	1.1	(g)
	Max force on lever	4.8	(Kg)

TURN 15	Initial speed	102	(Km/h)
	Final speed	80	(Km/h)
	Stopping distance	44	(m)
	Braking time	1.8	(sec)
	Maximum deceleration	0.7	(g)
	Max force on lever	2	(Kg)

TURN 16	Initial speed	336	(Km/h)
	Final speed	145	(Km/h)
	Stopping distance	273	(m)
	Braking time	4.7	(sec)
	Maximum deceleration	1.5	(g)
	Max force on lever	5.7	(Kg)