2021 MOTOGP
GRAN PREMIO RED BULL DE ESPAÑA

brembo

30 APR-02 MAY 2021

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT
HARD

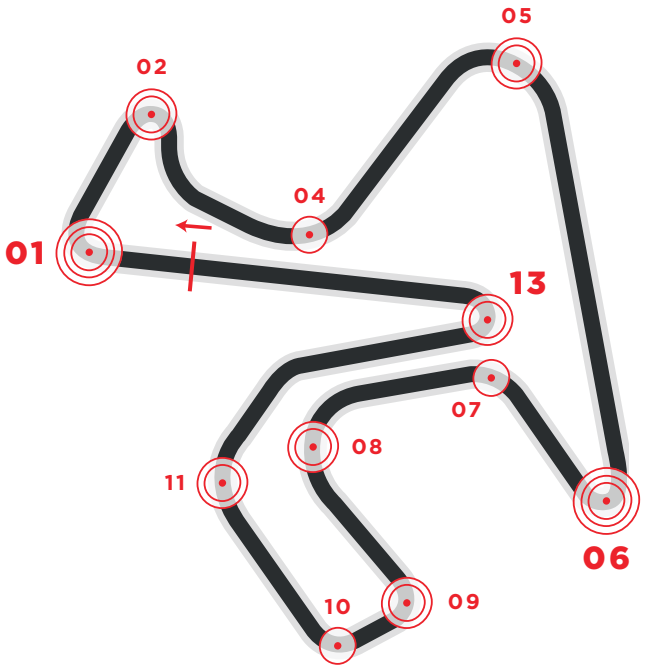
TIME SPENT BRAKING
34%

CIRCUIT LENGTH
4,423 M

NUMBER OF LAPS
25

NUMBER OF BRAKE ZONES/LAP
11

IMPORTANT
TURN 01*, **TURN 06*** and **TURN 13*** are considered the most demanding for the braking system.



The track is one the MotoGP riders' favourites with points which favour overtaking. The "hops" caused by the undulations of the asphalt, require well balanced, easy to handle motorcycle, which is stable when braked to be able to attack in the faster curves. The track is characterized by two very demanding cut outs (the 1 and 6) characterized by deceleration of 1.5 g and one of the most demanding in the work for the braking systems.

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

TURN 01			
Initial speed	286	(Km/h)	
Final speed	84	(Km/h)	
Stopping distance	215	(m)	
Braking time	4.5	(sec)	
Maximum deceleration	1.5	(g)	
Max force on lever	5.6	(Kg)	

TURN 02			
Initial speed	173	(Km/h)	
Final speed	68	(Km/h)	
Stopping distance	105	(m)	
Braking time	3.3	(sec)	
Maximum deceleration	1	(g)	
Max force on lever	4.2	(Kg)	

TURN 04			
Initial speed	193	(Km/h)	
Final speed	168	(Km/h)	
Stopping distance	60	(m)	
Braking time	1.2	(sec)	
Maximum deceleration	0.7	(g)	
Max force on lever	1.1	(Kg)	

TURN 05			
Initial speed	233	(Km/h)	
Final speed	122	(Km/h)	
Stopping distance	164	(m)	
Braking time	3.5	(sec)	
Maximum deceleration	1.3	(g)	
Max force on lever	4	(Kg)	

TURN 06			
Initial speed	292	(Km/h)	
Final speed	67	(Km/h)	
Stopping distance	236	(m)	
Braking time	5.3	(sec)	
Maximum deceleration	1.5	(g)	
Max force on lever	5	(Kg)	

TURN 07			
Initial speed	185	(Km/h)	
Final speed	161	(Km/h)	
Stopping distance	61	(m)	
Braking time	1.3	(sec)	
Maximum deceleration	0.7	(g)	
Max force on lever	1.4	(Kg)	

TURN 08			
Initial speed	216	(Km/h)	
Final speed	127	(Km/h)	
Stopping distance	124	(m)	
Braking time	2.7	(sec)	
Maximum deceleration	1.2	(g)	
Max force on lever	3.9	(Kg)	

TURN 09			
Initial speed	196	(Km/h)	
Final speed	100	(Km/h)	
Stopping distance	123	(m)	
Braking time	3.1	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	3.9	(Kg)	

TURN 10			
Initial speed	135	(Km/h)	
Final speed	108	(Km/h)	
Stopping distance	50	(m)	
Braking time	1.5	(sec)	
Maximum deceleration	0.8	(g)	
Max force on lever	2.3	(Kg)	

TURN 11			
Initial speed	216	(Km/h)	
Final speed	156	(Km/h)	
Stopping distance	108	(m)	
Braking time	2.1	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	3.4	(Kg)	

TURN 13			
Initial speed	223	(Km/h)	
Final speed	67	(Km/h)	
Stopping distance	167	(m)	
Braking time	4.4	(sec)	
Maximum deceleration	1.2	(g)	
Max force on lever	4.2	(Kg)	