2020 FORMULA 1 EMIRATES 70TH ANNIVERSARY GRAND PRIX

brembo

07-09 AUG 2020

BRAKE CIRCUIT IDENTITY CARDS

BRAKES EFFORT
LIGHT

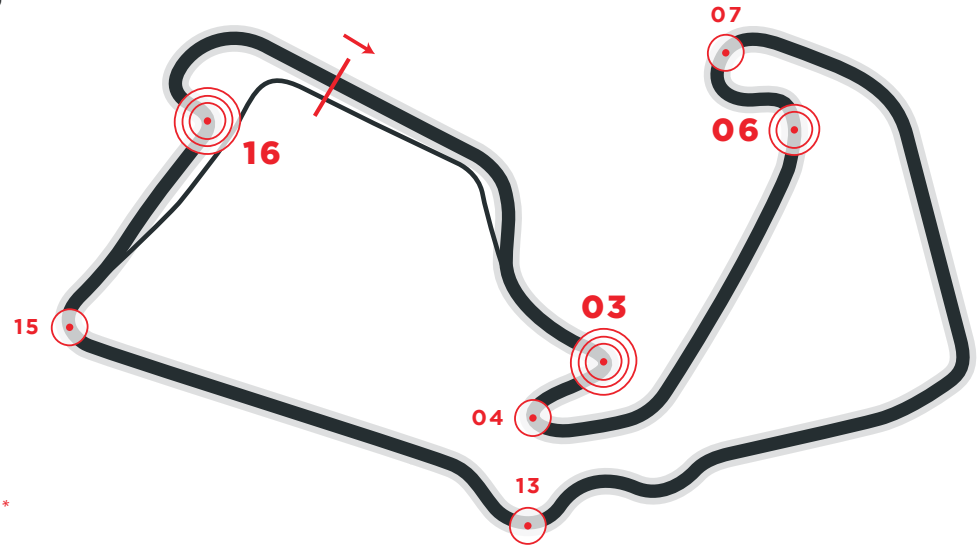
TIME SPENT BRAKING
15%

CIRCUIT LENGTH
5,891 M

NUMBER OF LAPS
52

NUMBER OF BRAKE ZONES/LAP
07

IMPORTANT
TURN 03*, **TURN 16*** and **TURN 06*** are considered the most demanding for the braking system.



This is perhaps the least demanding track for the braking system with just 15% of each lap spent on the brakes. In fact, it is a very "driven" circuit where the long, fast turns generally translate into not-too-demanding braking sections. In the event of adverse weather conditions, given the low energy forces in play, there can be problems connected to excessive cooling and the "glazing" of the friction material. In fact, the carbon the discs and pads are made from do not guarantee correct friction generation if the operating temperatures are too low, thereby compromising braking performance.

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

TURN 03			
Initial speed	320	(Km/h)	
Final speed	125	(Km/h)	
Stopping distance	130	(m)	
Braking time	2.37	(sec)	
Maximum deceleration	4.8	(g)	
Maximum pedal load	150	(Kg)	
Braking power	2252	(Kw)	

TURN 04			
Initial speed	174	(Km/h)	
Final speed	90	(Km/h)	
Stopping distance	56	(m)	
Braking time	1.66	(sec)	
Maximum deceleration	2.7	(g)	
Maximum pedal load	54	(Kg)	
Braking power	438	(Kw)	

TURN 06			
Initial speed	328	(Km/h)	
Final speed	167	(Km/h)	
Stopping distance	149	(m)	
Braking time	2.36	(sec)	
Maximum deceleration	4.0	(g)	
Maximum pedal load	124	(Kg)	
Braking power	1560	(Kw)	

TURN 07			
Initial speed	201	(Km/h)	
Final speed	119	(Km/h)	
Stopping distance	85	(m)	
Braking time	1.96	(sec)	
Maximum deceleration	1.8	(g)	
Maximum pedal load	46	(Kg)	
Braking power	320	(Kw)	

TURN 13			
Initial speed	314	(Km/h)	
Final speed	274	(Km/h)	
Stopping distance	54	(m)	
Braking time	0.67	(sec)	
Maximum deceleration	1.7	(g)	
Maximum pedal load	14	(Kg)	
Braking power	117	(Kw)	

TURN 15			
Initial speed	343	(Km/h)	
Final speed	237	(Km/h)	
Stopping distance	110	(m)	
Braking time	1.38	(sec)	
Maximum deceleration	2.4	(g)	
Maximum pedal load	41	(Kg)	
Braking power	654	(Kw)	

TURN 16			
Initial speed	294	(Km/h)	
Final speed	107	(Km/h)	
Stopping distance	107	(m)	
Braking time	2.23	(sec)	
Maximum deceleration	4.9	(g)	
Maximum pedal load	149	(Kg)	
Braking power	2011	(Kw)	