2021 MOTOGP
BRITISH GRAND PRIX

brembo

27-29 AUG 2021

BRAKE CIRCUIT IDENTITY CARD

BRAKES EFFORT
MEDIUM

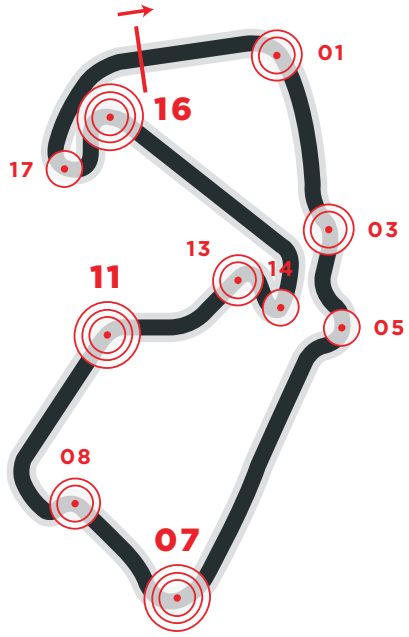
TIME SPENT BRAKING
28%

CIRCUIT LENGTH
5,900 M

NUMBER OF LAPS
20

NUMBER OF BRAKE ZONES/LAP
10

IMPORTANT
TURN 07*, **TURN 11*** and **TURN 16*** are considered the most demanding for the braking system.



The Silverstone track is considered one of the fastest of the MotoGP calendar and one of the least demanding for brakes. The circuit is characterized by long straight stretches and by not very demanding braking, which allow the braking systems to cool properly.
Quite often the rain in the past this led to the use of steel discs in place of carbon ones.

TURN 01			
Initial speed	278	(Km/h)	
Final speed	136	(Km/h)	
Stopping distance	199	(m)	
Braking time	3.5	(sec)	
Maximum deceleration	1.4	(g)	
Max force on lever	3.6	(Kg)	

TURN 03			
Initial speed	279	(Km/h)	
Final speed	152	(Km/h)	
Stopping distance	130	(m)	
Braking time	2.3	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	3	(Kg)	

TURN 05			
Initial speed	145	(Km/h)	
Final speed	103	(Km/h)	
Stopping distance	69	(m)	
Braking time	2	(sec)	
Maximum deceleration	0.8	(g)	
Max force on lever	2.2	(Kg)	

TURN 07			
Initial speed	318	(Km/h)	
Final speed	118	(Km/h)	
Stopping distance	253	(m)	
Braking time	4.5	(sec)	
Maximum deceleration	1.5	(g)	
Max force on lever	4.5	(Kg)	

TURN 08			
Initial speed	233	(Km/h)	
Final speed	80	(Km/h)	
Stopping distance	182	(m)	
Braking time	4.3	(sec)	
Maximum deceleration	1.2	(g)	
Max force on lever	4.1	(Kg)	

TURN 11			
Initial speed	273	(Km/h)	
Final speed	149	(Km/h)	
Stopping distance	179	(m)	
Braking time	3.1	(sec)	
Maximum deceleration	1.5	(g)	
Max force on lever	4.6	(Kg)	

TURN 13			
Initial speed	202	(Km/h)	
Final speed	80	(Km/h)	
Stopping distance	136	(m)	
Braking time	3.6	(sec)	
Maximum deceleration	1.1	(g)	
Max force on lever	3.9	(Kg)	

TURN 14			
Initial speed	121	(Km/h)	
Final speed	72	(Km/h)	
Stopping distance	58	(m)	
Braking time	2.2	(sec)	
Maximum deceleration	0.9	(g)	
Max force on lever	2.7	(Kg)	

TURN 16			
Initial speed	298	(Km/h)	
Final speed	93	(Km/h)	
Stopping distance	271	(m)	
Braking time	5.3	(sec)	
Maximum deceleration	1.3	(g)	
Max force on lever	4.4	(Kg)	

TURN 17			
Initial speed	135	(Km/h)	
Final speed	90	(Km/h)	
Stopping distance	63	(m)	
Braking time	2	(sec)	
Maximum deceleration	0.8	(g)	
Max force on lever	2.9	(Kg)	