

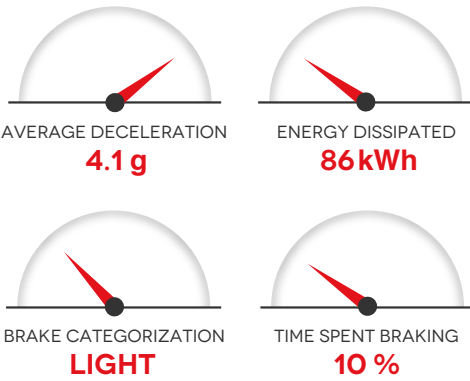


# F1 | BRAKE CIRCUIT IDENTITY CARDS

2016 FORMULA 1  
BRITISH GRAND PRIX

**08-10 JUL 2016**

## SILVERSTONE CIRCUIT (SILVERSTONE)



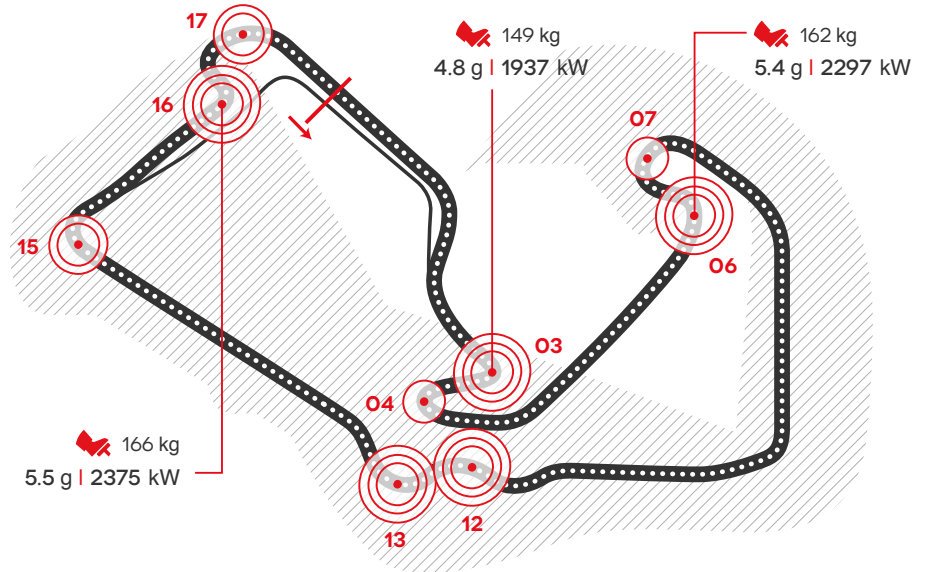
### CIRCUIT DATA

**Length: 5,901 m**  
**Number of laps: 52**  
**Number of brake zones/lap: 9**

### COMMENT

This is perhaps the least demanding track for the braking system with just 10% 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.

\* Turn 16 is considered the most demanding for the braking system.



#### 03

Initial speed	301	(Km/h)
Final speed	97	(Km/h)
Stopping distance	114	(m)
Braking time	1.30	(sec)
Maximum deceleration	4.8	(g)
Maximum pedal load	149	(Kg)
Braking power	1937	(Kw)

#### 04

Initial speed	160	(Km/h)
Final speed	90	(Km/h)
Stopping distance	58	(m)
Braking time	0.93	(sec)
Maximum deceleration	2.0	(g)
Maximum pedal load	58	(Kg)
Braking power	281	(Kw)

#### 06

Initial speed	323	(Km/h)
Final speed	152	(Km/h)
Stopping distance	96	(m)
Braking time	1.07	(sec)
Maximum deceleration	5.4	(g)
Maximum pedal load	162	(Kg)
Braking power	2297	(Kw)

#### 07

Initial speed	182	(Km/h)
Final speed	115	(Km/h)
Stopping distance	49	(m)
Braking time	0.81	(sec)
Maximum deceleration	2.3	(g)
Maximum pedal load	69	(Kg)
Braking power	462	(Kw)

#### 12

Initial speed	311	(Km/h)
Final speed	240	(Km/h)
Stopping distance	19	(m)
Braking time	0.68	(sec)
Maximum deceleration	5.0	(g)
Maximum pedal load	103	(Kg)
Braking power	1299	(Kw)

#### 13

Initial speed	297	(Km/h)
Final speed	213	(Km/h)
Stopping distance	23	(m)
Braking time	0.73	(sec)
Maximum deceleration	4.6	(g)
Maximum pedal load	140	(Kg)
Braking power	1790	(Kw)

#### 15

Initial speed	232	(Km/h)
Final speed	172	(Km/h)
Stopping distance	23	(m)
Braking time	0.75	(sec)
Maximum deceleration	3.3	(g)
Maximum pedal load	101	(Kg)
Braking power	978	(Kw)

#### 16\*

Initial speed	327	(Km/h)
Final speed	194	(Km/h)
Stopping distance	71	(m)
Braking time	0.87	(sec)
Maximum deceleration	5.5	(g)
Maximum pedal load	166	(Kg)
Braking power	2375	(Kw)

#### 17

Initial speed	283	(Km/h)
Final speed	98	(Km/h)
Stopping distance	115	(m)
Braking time	1.36	(sec)
Maximum deceleration	4.4	(g)
Maximum pedal load	137	(Kg)
Braking power	1657	(Kw)