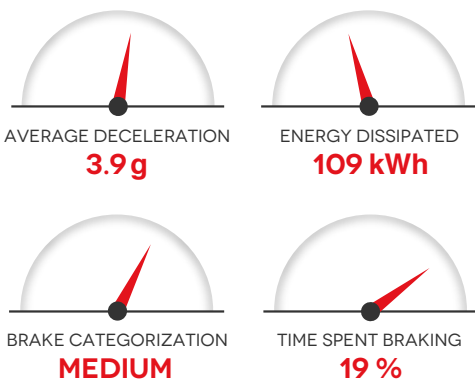


# F1 | BRAKE CIRCUIT IDENTITY CARDS

2016 FORMULA 1 PETRONAS  
MALAYSIA GRAND PRIX

**30 SEP – 02 OCT 2016**

## SEPANG INTERNATIONAL CIRCUIT (KUALA LAMPUR)



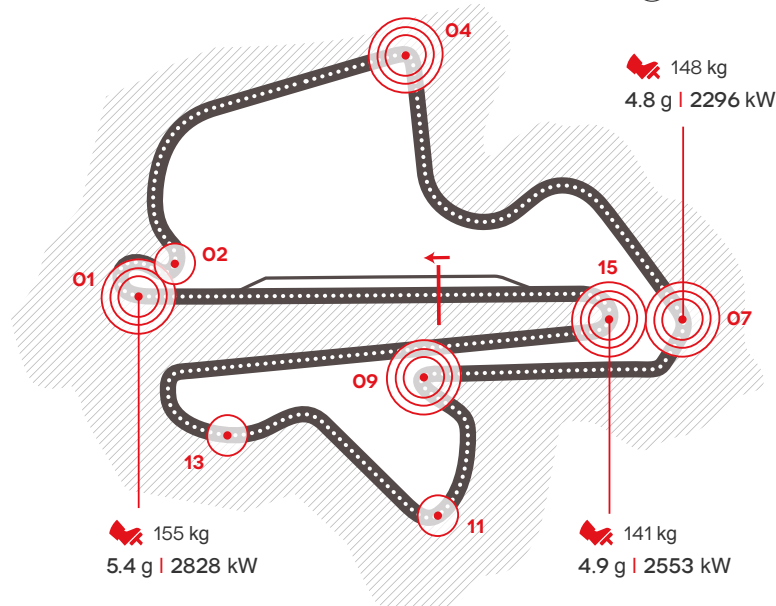
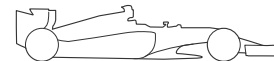
### CIRCUIT DATA

**Length: 5,543 m**  
**Number of laps: 56**  
**Number of brake zones/lap: 8**

### COMMENT

Medium difficulty circuit for brakes with the sole exception being the first and last braking section. These are sections which, although characterised by deceleration close to 5 Gs, are preceded by very long straight stretches during which the friction material has plenty of time to cool efficiently. The greatest critical areas have to do with the correct sizing of the air intakes which must allow optimum management of braking system operating temperatures on all the track sections.

\* Turn 01 is considered the most demanding for the braking system.



#### 01\*

Initial speed	329	(Km/h)
Final speed	86	(Km/h)
Stopping distance	141	(m)
Braking time	1.57	(sec)
Maximum deceleration	5.4	(g)
Maximum pedal load	155	(Kg)
Braking power	2828	(Kw)

#### 04

Initial speed	306	(Km/h)
Final speed	101	(Km/h)
Stopping distance	118	(m)
Braking time	1.30	(sec)
Maximum deceleration	4.8	(g)
Maximum pedal load	141	(Kg)
Braking power	2360	(Kw)

#### 09

Initial speed	292	(Km/h)
Final speed	81	(Km/h)
Stopping distance	106	(m)
Braking time	1.22	(sec)
Maximum deceleration	4.6	(g)
Maximum pedal load	137	(Kg)
Braking power	2216	(Kw)

#### 13

Initial speed	276	(Km/h)
Final speed	107	(Km/h)
Stopping distance	150	(m)
Braking time	1.61	(sec)
Maximum deceleration	2.3	(g)
Maximum pedal load	58	(Kg)
Braking power	708	(Kw)

#### 02

Initial speed	117	(Km/h)
Final speed	71	(Km/h)
Stopping distance	13	(m)
Braking time	0.49	(sec)
Maximum deceleration	1.7	(g)
Maximum pedal load	51	(Kg)
Braking power	330	(Kw)

#### 07

Initial speed	281	(Km/h)
Final speed	166	(Km/h)
Stopping distance	93	(m)
Braking time	0.83	(sec)
Maximum deceleration	4.8	(g)
Maximum pedal load	148	(Kg)
Braking power	2296	(Kw)

#### 11

Initial speed	235	(Km/h)
Final speed	139	(Km/h)
Stopping distance	91	(m)
Braking time	0.95	(sec)
Maximum deceleration	2.7	(g)
Maximum pedal load	74	(Kg)
Braking power	962	(Kw)

#### 15

Initial speed	326	(Km/h)
Final speed	86	(Km/h)
Stopping distance	141	(m)
Braking time	1.58	(sec)
Maximum deceleration	4.9	(g)
Maximum pedal load	141	(Kg)
Braking power	2553	(Kw)