

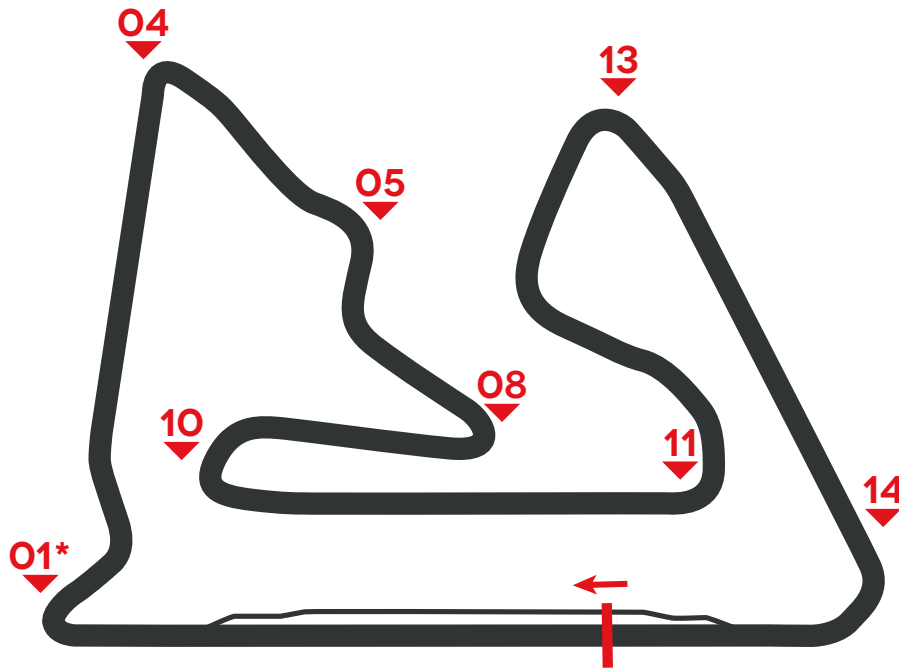
# 2017 FORMULA 1 GULF AIR BAHRAIN GRAND PRIX



**BRAKE CIRCUIT  
IDENTITY CARDS**  
14-16 APR 2017

BRAKES EFFORT **HARD**

TIME SPENT BRAKING **18%**



**brembo** DATA

Definitely one of the most demanding circuits for brakes.

The races on the Sakhir track, surrounded by the desert, are characterised by high temperatures that increase mechanical grip and make it difficult to dissipate the heat generated during braking.

This aspect, combined with the presence of numerous high energy braking sections which are quite close together, makes Sakhir a hard test bench for all the braking system components which are continuously stressed by the high energy forces and the hellishly hot temperatures. If the drivers want to finish the race, the high wear of the friction material is the biggest danger that must be avoided.

## CIRCUIT DATA

Length: **5,412 m** - Number of laps: **57**  
Number of brake zones/lap: **8**

## IMPORTANTE

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

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

<b>O1*</b>	
Initial speed	327 (Km/h)
Final speed	78 (Km/h)
Stopping distance	69 (m)
Braking time	2.51 (sec)
Maximum deceleration	4.8 (g)
Maximum pedal load	128 (Kg)
Braking power	2427 (Kw)

<b>O8</b>	
Initial speed	263 (Km/h)
Final speed	77 (Km/h)
Stopping distance	53 (m)
Braking time	2.33 (sec)
Maximum deceleration	4.5 (g)
Maximum pedal load	123 (Kg)
Braking power	1976 (Kw)

<b>13</b>	
Initial speed	281 (Km/h)
Final speed	148 (Km/h)
Stopping distance	39 (m)
Braking time	1.61 (sec)
Maximum deceleration	4.6 (g)
Maximum pedal load	122 (Kg)
Braking power	2103 (Kw)

<b>O4</b>	
Initial speed	300 (Km/h)
Final speed	114 (Km/h)
Stopping distance	53 (m)
Braking time	2.10 (sec)
Maximum deceleration	4.7 (g)
Maximum pedal load	127 (Kg)
Braking power	2296 (Kw)

<b>10</b>	
Initial speed	270 (Km/h)
Final speed	71 (Km/h)
Stopping distance	54 (m)
Braking time	2.70 (sec)
Maximum deceleration	3.1 (g)
Maximum pedal load	71 (Kg)
Braking power	1158 (Kw)

<b>14</b>	
Initial speed	304 (Km/h)
Final speed	122 (Km/h)
Stopping distance	52 (m)
Braking time	2.18 (sec)
Maximum deceleration	4.8 (g)
Maximum pedal load	128 (Kg)
Braking power	2338 (Kw)

<b>O5</b>	
Initial speed	264 (Km/h)
Final speed	200 (Km/h)
Stopping distance	19 (m)
Braking time	0.82 (sec)
Maximum deceleration	3.9 (g)
Maximum pedal load	100 (Kg)
Braking power	1598 (Kw)

<b>11</b>	
Initial speed	313 (Km/h)
Final speed	150 (Km/h)
Stopping distance	45 (m)
Braking time	1.70 (sec)
Maximum deceleration	4.8 (g)
Maximum pedal load	127 (Kg)
Braking power	2373 (Kw)